# MUNICIPALITY OF COLOMBO.

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## REPORT

OF THE

# MEDICAL OFFICER OF HEALTH

FOR

## 1910.

## ANNEXURE D.

## REPORT OF THE MEDICAL OFFICER OF HEALTH FOR 1910.

### Part I.

*General.*—The year 1910 was an unusually cool and dry one, both the temperature of the air and the rainfall being below the average as shown by the meteorological statements. This is the eighth year in succession in which the rainfall has been below the average. The health of the population, as indicated by the mortality statistics, was remarkably good, the crude death-rate (28·8 reckoned on corrected population) being the lowest which has been recorded since the registration of deaths was placed upon a satisfactory footing. The death-rate corrected for deaths of non-residents was only 23·0 per 1,000, while the rate further corrected for age and sex distribution was 27·5 per 1,000. This reduction in the general death-rate was due to a decrease in the number of deaths from all the principal causes. The infant mortality, the mortality from diarrhœal diseases, and from fevers were all lower than has hitherto been recorded ; the mortality from the pulmonary group of diseases, which includes phthisis, was also below the average, but is still very high.

With reference to the statistics given in this report it is necessary to remark that, except where otherwise stated, the rates have been calculated on the population as estimated prior to the taking of the Census on March 10, 1911 The population of Colombo town, as ascertained at the recent Census, was 211,184 ; from which it is now estimated that the mean population in 1910 was 207,684 instead of 193,857 as previously estimated. This represents the remarkable increase of 32½ per cent. since the Census of 1901. The Superintendent of Census points out that the population given above is subject to a final revision, which may possibly include some thousands of Colombo residents who on the night of the Census were on a pilgrimage to St. Anna's in the Puttalam District.

At the time of writing, the population of the various races is not available, and therefore all the race rates are calculated on the old estimated population.

With regard to the incidence of infectious diseases, the most noteworthy occurrence was a small outbreak of smallpox, which began in August and lasted until the end of the year, there being 69 cases in all reported. The original source was not traced, but it was suspected that, as is usual in such cases, the infection was imported from India by one of the deck passengers. This theory is strengthened by the fact that several cases which occurred later were definitely traced to India, the patients having arrived in Colombo during the incubation period of the disease. Upon this being ascertained, steps were taken by the Chairman of the Plague Committee to prevent such importations by quarantining the South Indian Ports.

Although disinfection of houses where persons had died of phthisis had, as recorded in the report for 1909, been carried out by this Department since July, 1909, this was not made a notifiable disease until the passing of Ordinance No. 6 of 1910, and notifications did not begin to be received until August, 1910, 222 cases being reported from that date and dealt with by this Department. For a fuller consideration of this question and of the proposals by the Tuberculosis Diseases Commission reference is requested to Special Report No. 85 of April 11, 1911.

One of the most noteworthy undertakings by this Department during the year was the opening of the Municipal Free Dispensary at Church street, Slave Island, in February, an account of which is given later in this report. No fewer than 6,179 patients were treated during the eleven months, February to December, representing 12,462 visits, which shows the great need which existed for an institution of this kind. It is highly desirable that this system, which was approved some time ago by the Council, should be extended without delay to the other poor quarters of the town. A proposal to this effect has already been submitted by me (*vide* No. 203 of October 29, 1910), but I regret to say it has not so far been adopted (see section 40).

The Municipal enteric hospital, which was opened at the beginning of 1909, continued to do good work, 310 cases being treated with a case mortality of 14·5 per cent. which is very satisfactory considering the more or less moribund condition of many of the cases on admission. Details of the work done are given later (see section 41).

It is necessary once again to record the unsatisfactory state of the public markets, which are for the most part grossly under-staffed. A special report (*vide* No. 39 of February 25, 1911) dealing with this amongst other matters has recently been submitted.

Remarks with reference to the other branches controlled by this Department will be found under their respective headings.

2. *Meteorology.*—The following statements, kindly furnished by Mr. Barnard, Superintendent of the Observatory, show the chief points in regard to the meteorological conditions which prevailed during 1910 :—

Table I.

| (*a*) Average Monthly Mean Temperature of Colombo (Fort). 41–42 Years. | ° | (*b*) Monthly Mean Temperature at Colombo (Fort) during 1910. | ° | (*c*) Average Monthly Mean Pressure at Colombo (Fort). 41–42 Years. | Inches. |
|---|---|---|---|---|---|
| January .. | 79·1 | January .. | 77·3 | January .. | 29·875 |
| February .. | 80·2 | February .. | 78·0 | February .. | 29·874 |
| March .. .. | 82·0 | March .. .. | 81·0 | March .. .. | 29·854 |
| April .. .. | 82·6 | April .. .. | 80·5 | April .. .. | 29·838 |
| May .. .. | 82·3 | May .. .. | 80·7 | May .. .. | 29·806 |
| June .. .. | 80·9 | June .. .. | 78·5 | June .. .. | 29·811 |
| July .. .. | 80·5 | July .. .. | 77·5 | July .. .. | 29·803 |
| August .. | 80·6 | August .. | 77·1 | August .. | 29·828 |
| September .. | 80·7 | September .. | 76·8 | September .. | 29·845 |
| October .. | 80·0 | October .. | 76·8 | October .. | 29·847 |
| November .. | 79·7 | November .. | 76·5 | November .. | 29·856 |
| December .. | 79·0 | December .. | 75·8 | December .. | 29·841 |
| Year .. | 80·6 | Year .. | 78·0 | Year .. | 29·840 |

(*d*) Monthly Mean Pressure at Colombo (Fort) during 1910.

| | Inches. |
|---|---|
| January .. | 29·834 |
| February .. | 29·833 |
| March .. | 29·841 |
| April .. | 29·814 |
| May .. | 29·831 |
| June .. | 29·790 |
| July .. | 29·806 |
| August .. | 29·805 |
| September .. | 29·832 |
| October .. | 29·856 |
| November .. | 29·864 |
| December .. | 29·882 |
| Year .. | 29·832 |

(*e*) Average Monthly Rainfall at at Colombo (Fort), 41 years.

| | Inches. |
|---|---|
| January .. | 3·42 |
| February .. | 2·01 |
| March .. | 4·38 |
| April .. | 10·13 |
| May .. | 11·04 |
| June .. | 7·57 |
| July .. | 4·56 |
| August .. | 3·55 |
| September .. | 4·68 |
| October .. | 14·58 |
| November .. | 11·76 |
| December .. | 5·23 |
| Year .. | 82·91 |

(*f*) Monthly Rainfall at Colombo (Fort) during 1910.

| | Inches. |
|---|---|
| January .. | 0·95 |
| February .. | 1·00 |
| March .. | 0·84 |
| April .. | 4·71 |
| May .. | 2·32 |
| June .. | 4·20 |
| July .. | 2·77 |
| August .. | 0·84 |
| September .. | 2·15 |
| October .. | 16·83 |
| November .. | 5·71 |
| December .. | 3·37 |
| Year .. | 45·69 |

3. *Topography.*—The following table, given in Mr. Mansergh's 1897 report on the drainage of Colombo, shows the acreage at different heights above mean sea level, from which it will be seen that a large part of Colombo is low-lying and difficult to drain, there being very little land indeed which is more than 50 feet above mean sea level, the great bulk being below the 30 feet level :—

TABLE II.—Acreage at different Heights above Mean Sea Level.

| | Between Contours. | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Feet .. | Up to 4.. | 4.. 6.. | 6.. 8.. | 8.. 10.. | 10.. 12.. | 12.. 14.. | 14.. 16.. | 16.. 18.. | 18.. 20.. | 20.. 30.. | 30.. 40.. | 40.. 50.. | 50.. 60.. | 60.. 70.. | 70.. 80.. | 80.. 90 |
| Feet .. | 4.. | 6.. | 8.. | 10.. | 12.. | 14.. | 16.. | 18.. | 20.. | 30.. | 40.. | 50.. | 60.. | 70.. | 80.. | 90..100 |
| Acres .. | 953 | 296 | 297 | 447 | 455 | 406 | 430 | 421 | 510 | 667 | 297 | 134 | 87 | 43 | 12 | 6 | 2 |

4. *Population.*—The table below is of great interest, as it shows the population of each ward as estimated since receipt of the 1911 Census results. These figures are, the Superintendent of Census points out, subject to a final revision, which may possibly include some thousands of Colombo residents, mostly from Mutwal probably, who on the night of the Census were on a pilgrimage to St. Anna's in the Puttalam District. The 1911 Census has disclosed the fact that the population of Colombo has increased during the last ten years at a rate far beyond the increase which took place in the previous decennium.

The estimate made prior to the 1911 Census of the mean population during 1910 was 193,857, whereas the estimate made since the Census shows a population of 207,684, an increase of 13,827, which is in itself equal to that of a small town. The ward which shows the greatest increase is Maradana, with an excess increase of 4,519 ; the New Bazaar comes next with an excess increase of 1,511 ; then Fort with 1,117 ; then Kotahena with 1,033. The addition of the pilgrims to the Kotahena Ward would, however, probably bring it out at the head of the list. The only ward which shows a decreased rate of increase is St. Paul's, which has for long had by far the greatest density of population of any ward in the town.

The ward birth- and death-rates will all have to be revised when the final Census returns are received.

TABLE III.—Area and Estimated Population of Wards, 1910, before and after the Census.

| Ward. | Total Area. | Nett Area available. | Estimated Population, 1910, made prior to 1911 Census. | Density per Acre of available Area. | Estimate made since the taking of the 1911 Census. |
|---|---|---|---|---|---|
| | Acres. | Acres. | | | |
| Fort .. | 220 | 112 | 2,285 | 20·4 | 3,402 |
| Pettah .. | 92 | 67 | 7,561 | 112·8 | 7,935 |
| San Sebastian .. | 116 | 108 | 10,804 | 100·0 | 11,391 |
| St. Paul's .. | 143 | 135 | 24,574 | 182·0 | 24,402 |
| Kotahena .. | 1,649 | 1,056 | 38,967 | 36·9 | 40,000 |
| New Bazaar .. | 289 | 226 | 20,593 | 91·1 | 22,104 |
| Maradana .. | 1,297 | 1,025 | 38,101 | 37·2 | 42,620 |
| Slave Island .. | 313 | 304 | 20,554 | 67·7 | 20,647 |
| Colpetty .. | 1,928 | 1,655 | 24,115 | 14·6 | 24,563 |
| The lake .. | 416 | — | — | — | — |
| Eastward Extension | — | — | 6,303 | — | 10,733 |
| Total .. | 6,463 | 4,688 | 193,857 | 40·0* | 207,684 |

* Reckoned on population minus Eastward extension, *i.e.*, 187,554.

TABLE IV.—Population of Races, 1910 (Old Estimate).

| Race. | Estimated Population, 1910. |
|---|---|
| Europeans .. | 3,111 |
| Burghers .. | 13,008 |
| Sinhalese .. | 77,397 |
| Tamils .. | 47,531 |
| Moors .. | 33,484 |
| Malays .. | 5,756 |
| Others .. | 7,267 |
| All Races .. | 187,554* |

* This does not include the population of Eastward extension (estimated at 10,733), as its distribution by race is not yet known.

5. *Births.*—The number of births registered in Colombo during 1910 was 4,819, giving a birth-rate of 24·9 per 1,000 persons living, which is above the average (23·4). 646 or 13·4 per cent. of these births were attended by the Municipal midwives.

The race with the highest birth-rate was as usual the Burghers (36·4), who are the only race who have a consistently higher birth-rate than their death-rate. The Malays, however, in 1910 shared this distinction, their birth-rate being 29·5 and their death-rate 28·1. These racial rates cannot however be relied upon until they have been corrected in accordance with the recent Census populations which are not yet available. The birth-rates since 1900 are given in the annexed Tables :—

TABLE V.—Colombo and Ceylon Birth-rates.

| Year. | Birth-rate per 1,000 Population. Colombo. | Ceylon. |
|---|---|---|
| 1900 .. .. .. | 21·7 .. | 38·6 |
| 1901 .. .. .. | 20·6 .. | 37·5 |
| 1902 .. .. .. | 23·0 .. | 38·5 |
| 1903 .. .. .. | 21·8 .. | 40·0 |
| 1904 .. .. .. | 22·0 .. | 38·5 |
| 1905 .. .. .. | 23·1 .. | 38·7 |
| 1906 .. .. .. | 27·3 .. | 35·7 |
| 1907 .. .. .. | 24·2 .. | 32·8 |
| 1908 .. .. .. | 25·5 .. | 40·1 |
| 1909 .. .. .. | 25·0 .. | 36·7 |
| Average, 1900–1909 .. | 23·4 | 37·7 |
| 1910 .. .. .. | 24·9* | — |

* Reckoned on population of 193,857.

TABLE VI.—Racial Birth-rates.

| Race. | Birth-rate per 1,000 Population. Average, 1900–1909. | 1910. |
|---|---|---|
| Europeans .. .. .. | 27·9 .. | 24·4 |
| Burghers .. .. .. | 32·1 .. | 36·4 |
| Sinhalese .. .. .. | 29·9 .. | 34·7 |
| Tamils .. .. .. | 12·1 .. | 13·0 |
| Moors .. .. .. | 20·3 .. | 21·7 |
| Malays .. .. .. | 27·3 .. | 29·5 |
| Others .. .. .. | 10·9 .. | 9·6 |
| All Races .. | 23·4 | 24·9* |

* Reckoned on population inclusive of Eastward extension.

Table VII.—Ward Birth-rates.

| Ward. | Birth-rate per 1,000 Population. Average, 1900–1909. | 1910. |
|---|---|---|
| Fort and Galle Face .. .. | 6·7 .. | 6·6 |
| Pettah .. .. .. | 6·7 .. | 5·7 |
| San Sebastian .. .. .. | 20·4 .. | 22·1 |
| St. Paul's .. .. .. | 17·3 .. | 16·4 |
| Kotahena .. .. .. | 20·0 .. | 22·7 |
| New Bazaar .. .. .. | 23·9 .. | 23·7 |
| Maradana .. .. .. | 22·8 .. | 23·4 |
| Slave Island .. .. .. | 24·1 .. | 23·5 |
| Colpetty .. .. .. | 17·2 .. | 19·7 |
| Colombo Town .. | 23·4 | 24·9* |

* Reckoned on population inclusive of Eastward extension.

6. *Deaths.*—The number of deaths in Colombo during 1910 was 5,750, giving a death-rate of 29·7 per 1,000, reckoned on the old estimated population, and 28·8 on the revised estimated population. This is the lowest death-rate recorded since registration was placed upon a proper footing.

The death rate by years, races, and wards are shown in the following Tables :—

Table VIII.—Colombo and Ceylon Death-rates, 1900–1910.

| Year. | Death-rate per 1,000 Population. Colombo. | Ceylon. |
|---|---|---|
| 1900 .. .. .. | 33·8 .. | 27·8 |
| 1901 .. .. .. | 34·7 .. | 27·6 |
| 1902 .. .. .. | 33·5 .. | 27·5 |
| 1903 .. .. .. | 34·8 .. | 25·9 |
| 1904 .. .. .. | 30·8 .. | 24·9 |
| 1905 .. .. .. | 34·7 .. | 27·7 |
| 1906 .. .. .. | 39·8 .. | 34·3 |
| 1907 .. .. .. | 32·6 .. | 30·1 |
| 1908 .. .. .. | 36·7 .. | 29·4 |
| 1909 .. .. .. | 33·5 .. | 30·3 |
| Average, 1900–1909 .. | 34·5 | 28·6 |
| 1910 (Old estimate of population) .. | 29·7 | |
| 1910 (New estimate of population) .. | 28·8 | |
| 1910 Corrected for non-residents dying in institutions .. .. .. | 23·0 | |
| 1910 Corrected for non-residents and for age and sex | 25·7* | |

* This is the most correct death-rate.

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Table IX.—Racial Death-rates (all Causes).

| | Death-rate per 1,000 Population. 1900–1909. | 1910. | Increase or Decrease. |
|---|---|---|---|
| Europeans .. .. | 29·1 .. | 25·1 .. | — 4·0 |
| Burghers .. .. | 26·4 .. | 24·3 .. | — 2·1 |
| Sinhalese .. .. | 37·4 .. | 35·4 .. | — 2·0 |
| Tamils .. .. | 34·5 .. | 28·1 .. | — 6·4 |
| Moors .. .. | 31·8 .. | 28·9 .. | — 2·9 |
| Malays .. .. | 35·0 .. | 28·1 .. | — 6·9 |
| Others .. .. | 31·6 .. | 21·1 .. | —10·5 |
| All Races .. | 34·5 | 29·7* | — 4·8 |

* Reckoned on population inclusive of Eastward extension.

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Table X.—Ward Death-rates (all Causes).

| Ward. | Death-rate per 1,000 Population. 1900–1909. | 1910. | Increase or Decrease. |
|---|---|---|---|
| Fort and Galle Face .. .. | 14·0 .. | 17·1 .. | + 3·1 |
| Pettah .. .. | 13·9 .. | 12·4 .. | — 1·5 |
| San Sebastian .. .. | 24·7 .. | 23·3 .. | — 1·4 |
| St. Paul's .. .. | 25·1 .. | 22·7 .. | — 2·4 |
| Kotahena .. .. | 27·1 .. | 22·3 .. | — 4·8 |
| New Bazaar .. .. | 30·3 .. | 24·5 .. | — 5·8 |
| Maradana .. .. | 26·7 .. | 23·9 .. | — 2·8 |
| Slave Island .. .. | 28·7 .. | 23·0 .. | — 5·7 |
| Kollupitiya .. .. | 19·3 .. | 18·5 .. | — 0·8 |
| Colombo Town .. | 34·5 | 29·7* | — 4·8 |

* Reckoned on population inclusive of Eastward extension.

7. *Infant Mortality: (a) General.*—Deaths, 1,420 ; death rate, 295 per 1,000 births ; average death-rate during the previous ten years, 353 ; decrease, 58 per 1,000 births.

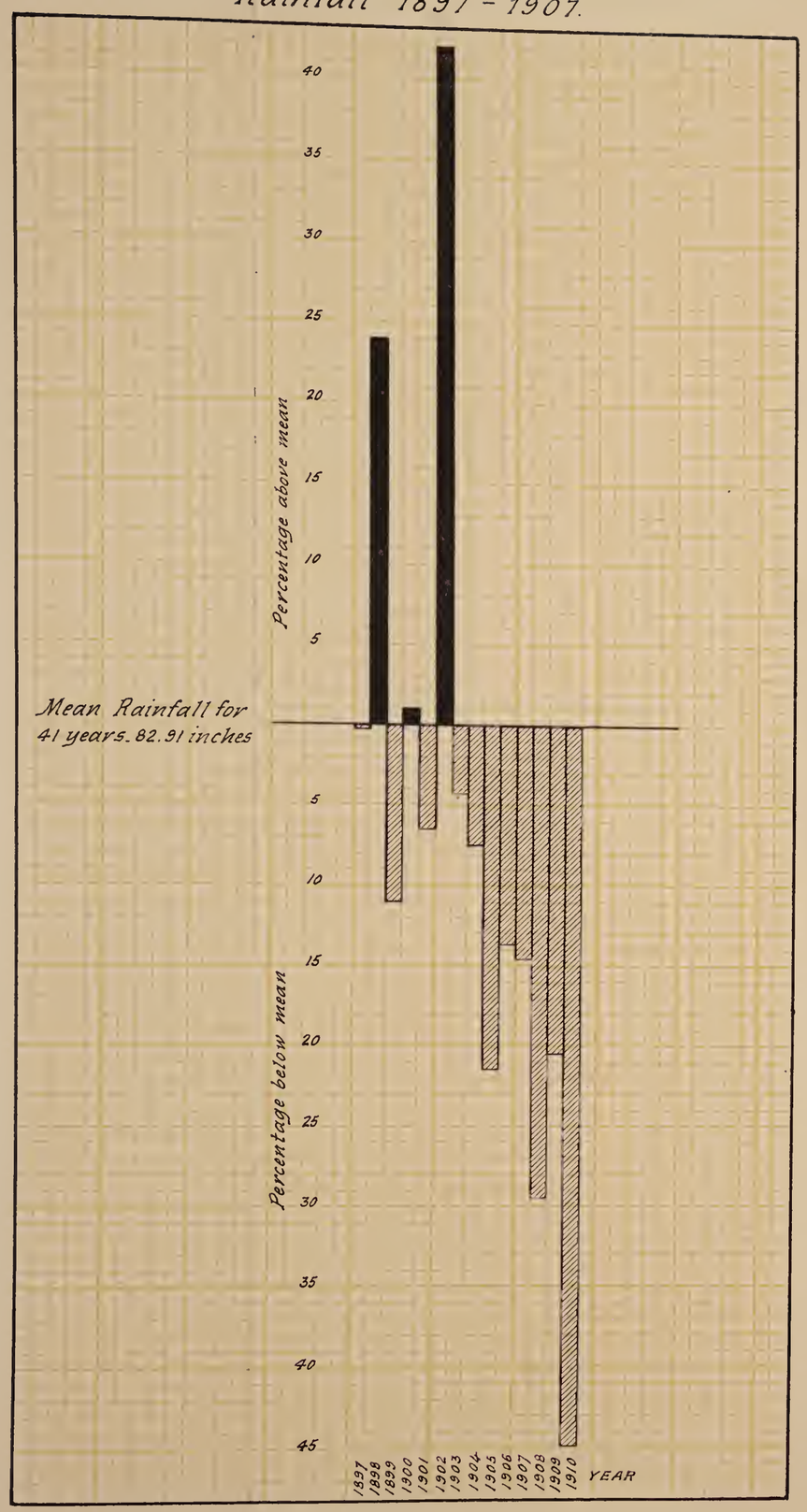
One of the most satisfactory features of the mortality statistics in Colombo is the infant death-rate which has been more or less steadily falling for a series of years, the rate in 1910 being the lowest on record. A glance at the accompanying diagram shows the period during which this improvement has been manifested, viz., from 1903 up to date.

The horizontal line in the diagram represents the mean infant death-rate for the whole period 1897 to 1910, the black columns above the lines represent the percentage above the mean death-rate, while the shaded columns represent the percentage below the mean.

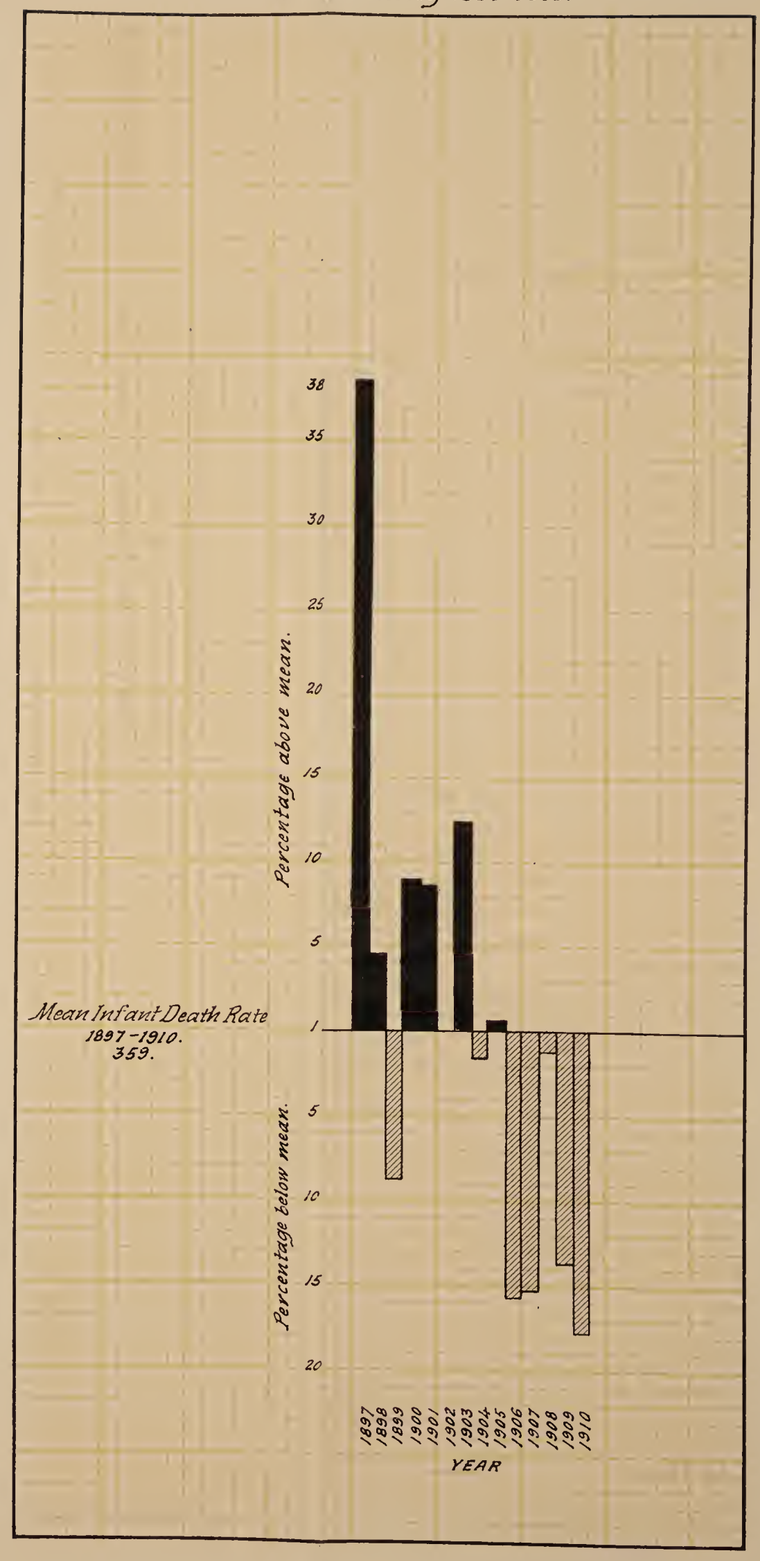
It is of course difficult to say definitely what are all the factors responsible for this decrease in the number of infant deaths, but the following are probably the chief, viz.: (1) meteorological conditions ; (2) improved methods of town cleansing ; (3) improved housing conditions ; (4) the work of the Municipal midwives.

With regard to the meteorological conditions, one cannot but be struck by the fact shown on the two accompanying diagrams, that the period of low infant mortality synchronizes to a large extent with a period of shortage of rainfall, although it does not apparently necessarily follow (as the exceptions show) that a dry year means a low infant death-rate, and a wet year a high rate.

## Rainfall 1897 - 1907.




## Infant Mortality 1897-1910.




Lith. S. G. O. No 48. Sept., 1911.

As regards the improved methods of cleansing, this includes the cleansing of both private premises and public thoroughfares. A great improvement has been effected by the sanitary inspectors and the cleansing gang in making householders clear out the rubbish from their premises and deposit it in sanitary dust bins by the roadside, whence it is removed by the scavengers, while the public scavenging has been enormously improved since it was taken in hand by the Works Department in 1905. It is, I believe, a fact which the Municipal Engineer's statistics will show, that as a result of these measures there has been an enormous increase during the last few years in the quantity of rubbish which has been removed from the town by the scavengers. This must necessarily have a salutary effect upon the health of the town, more especially upon the health of infants who are extremely susceptible to insanitary conditions.

As regards the improvement in the housing conditions, evidence of this will be found in the annual reports in the statements of work done and the structural improvements effected by the sanitary inspectors. In 1910, for instance, 8,301 sanitary defects were found, 4,508 defects were rectified after warning, 2,584 notices were issued, 1,497 of these notices were voluntarily complied with, 1,536 windows and 1,139 ventilators were provided, besides a great many other improvements, all of which have undoubtedly tended to improve the home conditions of the poorer classes amongst whom the infant mortality is always highest.

As regards the work of the Municipal midwives, 646 births, *i.e*, 13·4 per cent. of the total births in Colombo, were attended by them during 1910, the death-rate during the first week amongst these, exclusive of still-births, being 3·25 per cent., which is very low considering that the Municipal midwives are often called in only after something has gone wrong. There can be no doubt that in time. and when their number has been increased, the work of the district health visitors attached to the Municipal dispensaries will still further help to lower the infant death-rate.

(*b*) The incidence of the infant mortality in the various wards since 1900 is shown in the following Table :—

TABLE XI.—Infant Mortality by Wards, 1900 to 1910. Rate per 1,000 Births.

| Year. | Colombo Town. | Fort and Galle Face. | Pettah. | San Sebastian. | St. Paul's. | Kotahena. | New Bazaar. | Maradana Hospitals. | Maradana exclusive of Hospitals. | Slave Island. | Kollupitiya. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1900 .. .. | 395 | 143 | 448 | 385 | 492 | 510 | 387 | — | 345 | 507 | 281 |
| 1901 .. .. | 389 | — | 364 | 480 | 462 | 508 | 431 | 285 | 339 | 426 | 211 |
| 1902 .. .. | 360 | — | 426 | 429 | 509 | 417 | 422 | — | 310 | 399 | 271 |
| 1903 .. .. | 410 | 273 | 630 | 384 | 481 | 518 | 468 | 417 | 361 | 432 | 333 |
| 1904 .. .. | 353 | 154 | 419 | 408 | 482 | 382 | 452 | — | 336 | 454 | 232 |
| 1905 .. .. | 361 | 666 | 481 | 461 | 559 | 381 | 461 | 147 | 353 | 458 | 251 |
| 1906 .. .. | 302 | 76 | 328 | 418 | 337 | 310 | 357 | 210 | 287 | 311 | 276 |
| 1907 .. .. | 304 | 100 | 298 | 367 | 431 | 289 | 395 | 204 | 296 | 325 | 251 |
| 1908 .. .. | 355 | 353 | 467 | 333 | 412 | 346 | 467 | 215 | 426 | 340 | 340 |
| 1909 .. .. | 310 | 286 | 350 | 326 | 350 | 354 | 377 | 161 | 305 | 359 | 254 |
| Average, 1900 to 1909 .. | 354 | 205 | 421 | 399 | 452 | 402 | 422 | 164 | 336 | 401 | 270 |
| 1910 .. .. | 295* | 267 | 349 | 356 | 433 | 282 | 323 | 193 | 327 | 343 | 217 |
| Increase or Decrease .. | — 59 | +62 | — 72 | — 43 | — 19 | —120 | — 99 | + 29 | — 9 | — 58 | — 53 |

* Includes Eastward extension.

As the table above shows, the wards with the highest average infant mortality (exclusive of Fort and Pettah, the infant populations of which are too small to afford comparable rates) are St. Paul's, New Bazaar, and Slave Island. It was for this reasen that I recommended (*vide* No. 203 of October 29, 1910) that the Municipal dispensary system sheuld be extended to St. Paul's and New Bazaar Wards, Slave Island being already provided for ; and I think it is unfortunate for the poor residents in these wards that this recemmendation has not yet been adopted.

(*c*) The principal causes of infant mortality in 1910 are shown in the following Table :—

TABLE XII.—Infant Mortality, 1910 (Principal Causes), expressed as a Rate per 1,000 Births of each Race.

| Cause. | All Races. | Europeans. | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. |
|---|---|---|---|---|---|---|---|---|
| All causes .. | 295 | 158 | 169 | 263 | 422 | 394 | 270 | 400 |
| Premature birth .. | 13 | 13 | 2 | 18 | 6 | 8 | 6 | 14 |
| Atrophy and debility .. | 51 | 13 | 21 | 39 | 89 | 79 | 53 | 100 |
| Bronchitis .. | 18 | 26 | 4 | 16 | 32 | 25 | 6 | 14 |
| Pneumonia .. | 28 | — | 34 | 26 | 31 | 33 | 12 | 29 |
| Diarrhœa .. | 32 | 40 | 34 | 32 | 24 | 34 | 35 | 29 |
| Convulsions .. | 82 | 40 | 36 | 68 | 135 | 121 | 88 | 114 |
| Tetanus .. | 31 | — | 6 | 23 | 55 | 62 | 23 | 43 |
| All other causes .. | 40 | 26 | 32 | 41 | 50 | 32 | 47 | 57 |

It will be seen from the foregoing that convulsions as usual heads the list of causes of infant deaths, while debility, diarrhœa, and tetanus also occupy a prominent place, all of which points to ignorance and lack of care on the part of the mothers in the matter of rearing their infants, and indicates the necessity for extending the system of domiciliary visitation by health visitors.

(*d*) Table XIII. shows the incidence of infant mortality at various age periods.

TABLE XIII.—Infant Mortality, 1910, Deaths at different Age Periods and from several Causes.

| Cause of Death. | Age. | | | | | | | | | | | | | Race. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Age in Weeks. | | | | | Age in Months. | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | Total. | 2 | 3 | 4 | 5 | 6 | 6–9 | 9–12 | Total. | Europeans. | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. | All Races. |
| I.—Developmental diseases :— | | | | | | | | | | | | | | | | | | | | | |
| (1) Premature birth .. | 53 | 8 | 1 | 1 | 63 | 1 | — | — | — | — | — | — | 1 | 1 | 1 | 50 | 4 | 6 | 1 | 1 | 64 |
| (2) Atalectasis .. | 5 | — | — | — | 5 | — | — | — | 1 | — | — | — | 1 | — | — | 1 | 2 | 2 | — | 1 | 6 |
| (3) Atrophy and debility .. | 114 | 16 | 12 | 21 | 163 | 20 | 14 | 7 | 8 | 10 | 8 | 14 | 81 | 1 | 10 | 104 | 55 | 58 | 9 | 7 | 244 |
| (4) Others .. | 5 | — | — | — | 5 | 2 | — | — | — | 1 | 1 | 1 | 5 | — | — | 7 | 2 | — | 1 | — | 10 |
| II.—Diseases of respiratory system :— | | | | | | | | | | | | | | | | | | | | | |
| 1) Laryngitis .. .. | — | — | — | — | — | — | — | — | — | — | 1 | — | 1 | — | — | — | 1 | — | — | — | 1 |
| (2) Croup .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| (3) Bronchitis .. .. | 1 | — | 1 | 7 | 9 | 11 | 15 | 8 | 7 | 12 | 13 | 13 | 79 | 2 | 2 | 44 | 20 | 18 | 1 | 1 | 88 |
| (4) Pneumonia .. | 4 | 1 | 1 | 5 | 11 | 18 | 11 | 6 | 13 | 21 | 22 | 31 | 122 | — | 16 | 70 | 19 | 24 | 2 | 2 | 133 |
| (5) Others .. .. | — | — | — | — | — | — | — | 1 | — | — | — | 1 | 2 | — | — | 2 | — | — | — | — | 2 |
| III.—Diseases of digestive system :— | | | | | | | | | | | | | | | | | | | | | |
| (1) Diarrhœal .. .. | — | 2 | 4 | 6 | 12 | 25 | 24 | 9 | 19 | 17 | 29 | 17 | 140 | 3 | 16 | 85 | 15 | 25 | 6 | 2 | 152 |
| (2) Dentition .. .. | — | — | — | — | — | — | — | — | — | 1 | — | — | 1 | 1 | — | — | — | — | — | — | 1 |
| (3) Others .. .. | 4 | 2 | 4 | 10 | 20 | 14 | 12 | 8 | 8 | 4 | 5 | 6 | 57 | — | 4 | 48 | 12 | 8 | 3 | 2 | 77 |
| IV.—Diseases of nervous system :— | | | | | | | | | | | | | | | | | | | | | |
| (1) Convulsions .. | 117 | 40 | 27 | 38 | 222 | 57 | 27 | 24 | 8 | 13 | 24 | 21 | 174 | 3 | 17 | 182 | 83 | 88 | 15 | 8 | 396 |
| (2) Laryngismus stridulus .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| (3) Tetanus .. .. | 99 | 43 | 7 | — | 149 | 1 | — | — | — | — | — | — | 1 | — | 3 | 61 | 34 | 45 | 4 | 3 | 150 |
| (4) Others .. .. | — | — | 1 | — | 1 | — | — | — | — | — | — | — | — | — | — | 1 | — | — | — | — | 1 |
| V.—Tuberculous diseases :— | | | | | | | | | | | | | | | | | | | | | |
| (1) Tabes mesenterica .. | — | — | — | — | — | — | — | — | — | — | 1 | — | 1 | — | 1 | — | — | — | — | — | 1 |
| (2) Tubercular meningitis .. | — | — | — | — | — | — | 1 | — | — | — | 1 | 2 | 4 | 1 | — | 3 | — | — | — | — | 4 |
| (3) Others .. .. | — | — | — | — | — | — | 1 | — | 2 | 1 | 7 | 4 | 15 | — | 1 | 3 | 5 | 5 | 1 | — | 15 |
| VI.—Accidents :— | | | | | | | | | | | | | | | | | | | | | |
| (1) Injury .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| (2) Umbilical hæmorrhage .. | — | — | — | — | — | 1 | — | — | — | — | — | — | 1 | — | — | 1 | — | — | — | — | 1 |
| (3) Suffocation .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| (4) Other violence .. | 1 | — | — | — | 1 | — | — | — | — | — | — | — | — | — | 1 | — | — | — | — | — | 1 |
| VII.—Infectious diseases :— | | | | | | | | | | | | | | | | | | | | | |
| (1) Smallpox .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| (2) Chickenpox .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| (3) Measles .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| (4) Whooping cough .. | — | — | — | — | — | — | — | — | — | — | 1 | — | 1 | — | 1 | — | — | — | — | — | 1 |
| (5) Mumps .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| (6) Diphtheria .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| (7) Cerebro-spinal fever .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| (8) Scarlet fever .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| VIII.—Syphilis .. .. | — | — | — | 2 | 2 | 5 | 3 | 1 | — | 2 | — | — | 11 | — | 1 | 11 | — | 1 | — | — | 13 |
| IX.—All other causes .. | 1 | 1 | 1 | 8 | 11 | 5 | 6 | 4 | 3 | 4 | 16 | 10 | 48 | — | 6 | 33 | 9 | 7 | 3 | 1 | 59 |
| Total .. | 404 | 113 | 59 | 98 | 674 | 160 | 114 | 68 | 69 | 86 | 129 | 120 | 746 | 12 | 80 | 706 | 261 | 287 | 46 | 28 | 1420 |
| Percentage of Total Infant Deaths .. | 28·4 | 7·9 | 4·2 | 6·9 | 47·4 | 11·3 | 8·0 | 4·8 | 4·9 | 6·1 | 9·1 | 8·4 | 52·6 | — | — | — | — | — | — | — | — |

8. *Mortality from Groups of Diseases.*—(*a*) Major Groups of Diseases. This is shown in the following tables, from which it will be seen that except in the dietetic, the local diseases, and violence groups, which show a slight increase, all the other great groups show a decrease in the number of deaths compared with the average, the most marked decrease being in the case of the Zymotic Diseases Group :—

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TABLE XIV.—Mortality in the Town of Colombo, from Groups of Diseases, 1909 and 1910, and the Average for 1900 to 1909, All Races, All Ages.

| Cause of Deaths. | Total Deaths. | | | Mortality per 1,000 Population. | | | |
|---|---|---|---|---|---|---|---|
| | Average, 1900 to 1909. | 1909. | 1910. | Average, 1900 to 1909. | 1909. | 1910. | Increase or Decrease. |
| All causes .. | 5,821 | 6,169 | 5,750 | 34·50 | 33·54 | 29·66 | — 4·84 |
| Zymotic diseases .. | 1,603 | 1,226 | 993 | 9·56 | 6·67 | 5·12 | — 4·44 |
| Parasitic diseases .. | 196 | 261 | 213 | 1·15 | 1·42 | 1·10 | — 0·05 |
| Dietetic diseases .. | 23 | 51 | 63 | 0·13 | 0·28 | 0·32 | + 0·19 |
| Constitutional diseases .. | 754 | 938 | 790 | 4·45 | 5·10 | 4·08 | — 0·37 |
| Developmental diseases .. | 355 | 372 | 372 | 2·11 | 2·02 | 1·92 | — 0·19 |
| Local diseases .. | 2,300 | 2,778 | 2,747 | 13·60 | 15·11 | 14·17 | + 0·57 |
| Violence .. .. | 101 | 113 | 129 | 0·60 | 0·60 | 0·66 | + 0·06 |
| Ill-defined diseases .. | 489 | 430 | 443 | 2·90 | 2·34 | 2·29 | — 0·61 |

The 1910 rates are reckoned on a population which includes the Eastward extension.

(*b*) *Minor Groups of Diseases.*—The various causes to which deaths are ascribed are classified in Table LXIV. in the Appendix. Of these, the great majority are responsible, as a rule, for only a few deaths each year, whereas a select few are responsible year after year for a great proportion of the total mortality. These "Principal Causes" have been classified into three groups, viz.: (1) the "Pulmonary Group," including phthisis, bronchitis, and pneumonia; (2) the "Diarrhœal Group" including diarrhœa, enteritis, and dysentery; and (3) the "Fever Group" including typhoid or enteric fever, simple continued fever, remittent fever, and intermittent fever.

The mortality ascribed to each of these groups since 1900 is shown in the Table below, from which it will be seen that there was a decreased mortality from each of them in 1910, compared with the average. Further details of these groups are given under their respective headings.

TABLE XV.—Mortality from Groups of Diseases, 1900 to 1910. Rate per 1,000 Population.

| Year. | Pulmonary. | Diarrhœal. | Fevers. |
|---|---|---|---|
| 1900 .. .. | 6·65 | 6·12 | 3·17 |
| 1901 .. .. | 8·45 | 6·55 | 2·92 |
| 1902 .. .. | 7·21 | 6·69 | 2·76 |
| 1903 .. .. | 7·51 | 6·99 | 3·05 |
| 1904 .. .. | 7·54 | 5·43 | 2·16 |
| 1905 .. .. | 8·30 | 7·07 | 2·07 |
| 1906 .. .. | 9·36 | 8·10 | 3·39 |
| 1907 .. .. | 8·35 | 5·07 | 2·59 |
| 1908 .. .. | 9·52 | 5·63 | 2·84 |
| 1909 .. .. | 9·78 | 5·02 | 2·21 |
| Average, 1900 to 1909 .. | 8·27 | 6·27 | 2·71 |
| 1910 .. .. | 7·75 | 4·51 | 1·82 |
| Increase or Decrease .. | —·52 | — 1·76 | — ·89 |

The 1910 rates are reckoned on the estimated population including the Eastward extension.

9. The principal causes of deaths in each race in 1910, expressed as a percentage of total deaths, are shown in the table below, from which it will be seen that enteric fever heads the list for Europeans ; pneumonia and phthisis for Burghers ; phthisis and pneumonia for Sinhalese ; pneumonia for Tamils ; phthisis for Moors ; pneumonia for Malays ; and pneumonia for others. Thus in every one of the indigenous races phthisis or pneumonia or both were the principal causes of deaths. Table XIX. contains statistics which, being expressed as rates per 1,000 population of each race, enable one to compare the mortality from these causes in the various races, from which it will be seen that the indigenous races suffer much more severely from pulmonary diseases than do the Europeans. The reason for this greater susceptibility to lung disease in the indigenous races is without doubt due in a large measure to their insanitary custom of shutting themselves up at night in ill-ventilated and often overcrowded bedrooms, the danger from which is greatly aggravated in the case of a disease like phthisis by the custom of indiscriminate spitting. The race (exclusive of the mixed class of Others) with the greatest number of deaths from pulmonary diseases in proportion to their population is the Sinhalese, the Moors come next, then Tamils, then the Malays, then the Burghers, and lastly, with a death-rate less than half that of any of the others, the Europeans. In 1910 the Tamils head the list with a death-rate of 8·54 per 1,000, but their rate is quite unreliable owing to the great variations in their population.

TABLE XVI.—Principal Causes of Deaths, 1910, expressed as a Percentage of Total Deaths in each Race.

| Cause of Death. | Europeans. | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. | All Races. |
|---|---|---|---|---|---|---|---|---|
| Enteric and suspected enteric .. | 14·1 | 8·5 | 5·5 | 2·6 | 3·5 | 3·7 | 7·8 | 4·8 |
| Simple and ill-defined fever .. | — | 1·6 | 0·4 | 0·5 | 0·4 | 1·3 | 0·7 | 0·5 |
| Remittent fever .. | 2·6 | — | 0·9 | 0·7 | 0·3 | 4·9 | 0·7 | 0·8 |
| Intermittent fever .. | — | — | — | — | — | — | — | — |
| All fevers .. | 16·7 | 10·1 | 6·8 | 3·8 | 4·2 | 9·9 | 9·2 | 6·1 |
| Diarrhœa .. | 2·6 | 4·1 | 4·7 | 3·1 | 3·9 | 5·5 | 1·3 | 4·1 |
| Dysentery .. | 3·8 | 1·3 | 3·2 | 7·6 | 4·6 | 3·1 | 4·6 | 4·4 |
| Enteritis .. | 7·7 | 7·9 | 6·0 | 11·1 | 3·6 | 2·5 | 4·6 | 6·7 |
| All diarrhœal .. | 14·1 | 13·3 | 13·9 | 21·8 | 12·1 | 11·1 | 10·5 | 15·2 |
| Phthisis .. | 6·4 | 11·1 | 11·1 | 11·8 | 12·9 | 7·4 | 11·1 | 11·4 |
| Pneumonia .. | 9·0 | 11·4 | 9·4 | 14·9 | 10·6 | 9·2 | 12·4 | 11·1 |
| Bronchitis .. | 3·8 | 4·1 | 3·2 | 3·7 | 4·7 | 6·2 | 1·3 | 3·6 |
| All pulmonary .. | 19·2 | 26·6 | 23·7 | 30·4 | 28·2 | 22·8 | 24·8 | 26·1 |

A list of the principal diseases is given below, from which it will be seen that phthisis was the greatest cause of deaths amongst the population as a whole during 1910 :—

TABLE XVII.—Principal Causes of Deaths, 1900–1910, All Races, All Ages.

| Cause of Deaths. | Rate per 1,000 Population. Average, 1900 to 1909. | 1910. | Increase or Decrease. |
|---|---|---|---|
| Enteric and suspected enteric .. | 1·13 | 1·42 | +0·29 |
| Simple continued fever .. | 0·76 | 0·16 | —0·60 |
| Remittent fever .. .. | 0·80 | 0·24 | —0·56 |
| Intermittent fever .. .. | 0·02 | 0·00 | —0·02 |
| Phthisis .. .. | 3·58 | 3·37 | —0·21 |
| Pneumonia .. .. | 3·37 | 3·29 | —0·08 |
| Bronchitis .. .. | 1·32 | 1·09 | —0·23 |
| Diarrhœa and enteritis .. | 3·99 | 3·21 | —0·78 |
| Dysentery .. .. | 2·28 | 1·30 | —0·98 |
| Infantile convulsions .. | 2·84 | 2·22 | —0·62 |
| Tetanus .. .. | 1·19 | 0·98 | —0·21 |
| Ill-defined .. .. | 2·90 | 2·29 | —0·61 |
| Anchylostomiasis .. .. | 0·49 | 0·29 | —0·20 |

10. *Pulmonary Diseases* (*Phthisis, Pneumonia, and Bronchitis*).—Deaths, 1,502 ; death-rate, 7·75 per 1,000 ; average death-rate during previous ten years, 8·27 ; decrease, 0·52 per 1,000. This is the lowest death-rate from the pulmonary group of diseases since 1904.

The death-rate from this group during the last ten years is shown in the following tables :—

TABLE XVIII.—Pulmonary Diseases, 1900 to 1910. All Races, Death-rate per 1,000 Population.

| Year. | Phthisis. | Pneumonia | Bronchitis. | Total Pulmonary. |
|---|---|---|---|---|
| 1900 | 2·72 | 2·62 | 1·31 | 6·65 |
| 1901 | 3·21 | 3·63 | 1·61 | 8·45 |
| 1902 | 3·00 | 2·89 | 1·32 | 7·21 |
| 1903 | 3·22 | 3·00 | 1·29 | 7·51 |
| 1904 | 3·58 | 2·58 | 1·38 | 7·54 |
| 1905 | 3·65 | 3·32 | 1·33 | 8·30 |
| 1906 | 4·19 | 3·76 | 1·41 | 9·36 |
| 1907 | 4·00 | 3·29 | 1·06 | 8·35 |
| 1908 | 3·86 | 4·33 | 1·33 | 9·52 |
| 1909 | 4·33 | 4·29 | 1·16 | 9·78 |
| Average, 1900 to 1909 | 3·58 | 3·37 | 1·32 | 8·27 |
| 1910 | 3·37 | 3·29 | 1·09 | 7·75 |
| Increase or Decrease | —0·21 | —0·08 | —0·23 | —0·52 |

TABLE XIX.—Pulmonary Diseases, 1900 to 1910. Death-rate of each Race per 1,000 Population.

| Year. | All Races. | Europeans. | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. |
|---|---|---|---|---|---|---|---|---|
| 1900 | 6·65 | 4·18 | 6·37 | 6·53 | 7·21 | 6·61 | 7·48 | 7·27 |
| 1901 | 8·45 | 5·42 | 7·81 | 9·25 | 8·16 | 7·46 | 6·84 | 10·81 |
| 1902 | 7·21 | 2·57 | 5·07 | 7·27 | 8·01 | 7·34 | 6·01 | 8·63 |
| 1903 | 7·51 | 3·25 | 5·68 | 8·06 | 7·26 | 7·36 | 5·65 | 10·53 |
| 1904 | 7·54 | 4·98 | 6·75 | 8·00 | 6·36 | 7·99 | 8·97 | 8·88 |
| 1905 | 8·30 | 3·15 | 5·74 | 8·98 | 7·59 | 8·56 | 8·72 | 10·22 |
| 1906 | 9·36 | 4·12 | 7·42 | 9·86 | 9·81 | 8·73 | 7·72 | 11·88 |
| 1907 | 8·35 | 1·69 | 5·60 | 8·73 | 8·13 | 8·78 | 9·39 | 9·69 |
| 1908 | 9·52 | 4·34 | 7·46 | 10·62 | 8·35 | 9·68 | 8·64 | 10·94 |
| 1909 | 9·78 | 2·94 | 7·64 | 10·12 | 10·21 | 10·01 | 9·61 | 7·03 |
| Average, 1900–1909 | 8·27 | 3·66 | 6·55 | 8·74 | 8·11 | 8·25 | 7·90 | 9·59 |
| 1910 | 7·75 | 4·82 | 6·46 | 8·39 | 8·54 | 8·15 | 6·43 | 5·22 |
| Increase or Decrease | —0·52 | +1·16 | —0·09 | —0·35 | +0·43 | —0·10 | —1·47 | —4·37 |

The death-rate by sexes is shown in the following table :—

TABLE XX.—Pulmonary Diseases, 1910. Death-rate per 1,000 Population of each Sex. (Calculated on the Census Population, 1901.)

| Race. | Pulmonary Group. | | Phthisis. | | Pneumonia. | | Bronchitis. | |
|---|---|---|---|---|---|---|---|---|
| | Males. | Females. | Males. | Females. | Males. | Females. | Males. | Females. |
| All Races | 8·73 | 11·13 | 3·40 | 5·42 | 4·13 | 4·11 | 1·20 | 1·60 |
| Europeans | 8·74 | 5·13 | 3·18 | 1·28 | 5·56 | — | — | 3·85 |
| Burghers | 7·73 | 6·47 | 2·75 | 3·15 | 3·78 | 2·32 | 1·20 | 1·00 |
| Sinhalese | 8·86 | 10·15 | 4·15 | 4·72 | 3·47 | 4·10 | 1·24 | 1·33 |
| Tamils | 9·88 | 16·24 | 3·01 | 8·27 | 5·89 | 5·38 | 0·98 | 2·59 |
| Moors | 7·14 | 13·23 | 2·73 | 6·93 | 2·90 | 4·65 | 1·51 | 1·64 |
| Malays | 7·80 | 8·74 | 1·23 | 4·37 | 3·70 | 2·92 | 2·87 | 1·46 |
| Others | 9·91 | 6·30 | 4·65 | 2·10 | 5·26 | 2·10 | — | 2·10 |

From the foregoing table it will be seen that as usual the death-rate amongst females from these causes is higher than amongst males in the case of Sinhalese, Tamils, Moors, and Malays.

(*a*) *Phthisis Pulmonalis or Consumption.*—Deaths, .654 ; death-rate, 3·37 ; average death-rate during previous ten years, 3·58 ; decrease, 0·21 per 1,000. This is the lowest death-rate from phthisis since 1903. The mortality amongst each race during the last eleven years is shown in Table XXI. :—

TABLE XXI.—Mortality from Phthisis, 1900 to 1910. Rate of each Race per 1,000 Population.

| Year. | All Races. | Europeans. | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. |
|---|---|---|---|---|---|---|---|---|
| 1900 | 2·72 | 1·90 | 3·23 | 2·76 | 2·48 | 2·55 | 3·85 | 3·41 |
| 1901 | 3·21 | 3·74 | 3·53 | 3·78 | 2·45 | 2·51 | 3·09 | 3·89 |
| 1902 | 3·00 | 1·10 | 2·66 | 3·38 | 2·97 | 2·57 | 3·00 | 2·26 |
| 1903 | 3·22 | 2·89 | 2·55 | 3·64 | 2·42 | 3·39 | 2·93 | 4·29 |
| 1904 | 3·58 | 2·49 | 4·07 | 4·03 | 2·64 | 3·57 | 3·88 | 3·52 |
| 1905 | 3·65 | 2·45 | 2·72 | 4·23 | 2·88 | 3·44 | 4·76 | 4·05 |
| 1906 | 4·19 | 2·40 | 3·71 | 4·71 | 4·09 | 3·48 | 3·86 | 4·35 |
| 1907 | 4·00 | 1·01 | 3·00 | 4·50 | 3·28 | 3·92 | 5·45 | 4·77 |
| 1908 | 3·86 | 2·67 | 3·14 | 4·54 | 3·08 | 3·76 | 3·86 | 3·80 |
| 1909 | 4·33 | 2·28 | 3·32 | 4·63 | 3·92 | 4·78 | 4·27 | 3·44 |
| Average, 1900–1909 | 3·58 | 2·29 | 3·19 | 4·02 | 3·02 | 3·40 | 3·90 | 3·78 |
| 1910 | 3·37 | 1·61 | 2·69 | 3·92 | 3·30 | 3·73 | 2·08 | 2·34 |
| Increase or Decrease | —0·21 | —0·68 | —0·50 | —0·10 | +0·28 | +0·33 | —1·82 | —1·44 |

A special report (No. 292) dealing with phthisis in Colombo was submitted to the Council on August 20, 1909, in which the causes of the prevalence of this disease were indicated and a number of recommendations for its prevention were made, some of which have since been adopted by the Council.

Since that date a Government Commission was appointed to report upon tuberculous diseases in Ceylon, and their report, dated June 6, 1910, has since been published. As many of their recommendations concern Colombo, especially the Public Health Department of the Council, I have submitted a special report on the subject (*vide* No. 85 of April 11, 1911).

(*b*) *Pneumonia.*—Deaths, 637 ; death-rate, 3·29 ; average for previous 10 years, 3·37 ; decrease, 0·08 per 1,000. With the exception of 1907, when there was a similar death-rate, this is the lowest mortality from pneumonia since 1904.

The mortality during each of the last 11 years is shown in the following table :—

TABLE XXII.—Mortality from Pneumonia, 1900 to 1910. Rate per 1,000 Population of each Race.

| Year. | All Races. | Europeans. | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. |
|---|---|---|---|---|---|---|---|---|
| 1900 .. .. | 2·62 | 1·52 | 1·70 | 2·57 | 3·67 | 2·00 | 2·72 | 3·41 |
| 1901 .. .. | 3·63 | 1·31 | 2·35 | 3·85 | 4·45 | 2·75 | 2·43 | 6·27 |
| 1902 .. .. | 2·89 | 1·10 | 1·58 | 2·54 | 3·97 | 2·81 | 1·93 | 5·34 |
| 1903 .. .. | 3·00 | 0·36 | 2·14 | 3·11 | 3·67 | 2·27 | 2·09 | 5·07 |
| 1904 .. .. | 2·58 | 2·13 | 1·79 | 2·58 | 2·67 | 2·49 | 1·83 | 5·00 |
| 1905 .. .. | 3·32 | 0·70 | 2·09 | 3·51 | 3·92 | 2·80 | 1·58 | 4·76 |
| 1906 .. .. | 3·76 | 1·72 | 2·63 | 3·73 | 4·67 | 3·42 | 1·16 | 5·35 |
| 1907 .. .. | 3·29 | 0·68 | 2·13 | 3·19 | 3·86 | 3·27 | 2·82 | 4·29 |
| 1908 ... .. | 4·33 | 1·34 | 3·30 | 4·60 | 4·29 | 3·76 | 3·68 | 5·93 |
| 1909 .. .. | 4·29 | 0·66 | 3·24 | 4·31 | 5·21 | 3·91 | 3·20 | 3·30 |
| Average, 1900–1909 .. | 3·37 | 1·15 | 2·30 | 3·40 | 4·04 | 2·95 | 2·34 | 4·87 |
| 1910 .. .. | 3·29 | 2·25 | 2·77 | 3·33 | 4·19 | 3·08 | 2·61 | 2·61 |
| Increase or Decrease .. | —0·08 | +1·10 | +0·47 | —0·07 | +0·15 | +0·13 | +0·27 | —2·26 |

(*c*) *Bronchitis.*—Deaths, 211 ; death-rate, 1·09 ; average for previous ten years, 1·32 ; decrease, 0·23 per 1,000. The mortality from this cause during each of the last eleven years is shown below :—

TABLE XXIII.—Mortality from Bronchitis, 1900 to 1910. Rate of each Race per 1,000 Population.

| Year. | All Races. | Europeans. | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. |
|---|---|---|---|---|---|---|---|---|
| 1900 .. .. | 1·31 | 0·76 | 1·44 | 1·20 | 1·06 | 2·06 | 0·91 | 0·45 |
| 1901 .. .. | 1·61 | 0·37 | 1·93 | 1·62 | 1·26 | 2·20 | 1·32 | 0·65 |
| 1902 .. .. | 1·32 | 0·37 | 0·83 | 1·35 | 1·07 | 1·96 | 1·08 | 1·03 |
| 1903 .. .. | 1·29 | 0·00 | 0·99 | 1·31 | 1·17 | 1·70 | 0·63 | 1·17 |
| 1904 .. .. | 1·38 | 0·36 | 0·89 | 1·39 | 1·05 | 1·93 | 3·26 | 0·36 |
| 1905 .. .. | 1·33 | 0·00 | 0·95 | 1·24 | 0·79 | 2·32 | 2·38 | 1·41 |
| 1906 .. .. | 1·41 | 0·00 | 1·08 | 1·42 | 1·05 | 1·83 | 2·70 | 2·18 |
| 1907 .. .. | 1·06 | 0·00 | 0·47 | 1·04 | 0·99 | 1·59 | 1·12 | 0·63 |
| 1908 .. .. | 1·33 | 0·33 | 1·02 | 1·48 | 0·98 | 2·16 | 1·10 | 1·21 |
| 1909 .. .. | 1·16 | 0·00 | 1·08 | 1·18 | 1·08 | 1·32 | 2·14 | 0·29 |
| Average, 1900–1909 .. | 1·32 | 0·22 | 1·07 | 1·32 | 1·05 | 1·91 | 1·66 | 0·94 |
| 1910 .. .. | 1·09 | 0·96 | 1·00 | 1·14 | 1·05 | 1·34 | 1·74 | 0·27 |
| Increase or Decrease .. | —0·23 | +0·74 | —0·07 | —0·18 | Nil. | —0·57 | +0·08 | —0·67 |

11. *Diarrhœal Diseases* (*Diarrhœa, Enteritis, Dysentery*).—Deaths, 875 ; ratio, 4·51 ; average for previous ten years, 6·27 ; decrease, 1·76. This is the lowest death-rate on record from the diarrhœal group of diseases. The rates during each of the last eleven years are shown in Tables XXIV. and XXV. :—

TABLE XXIV.—Diarrhœal Diseases, 1900 to 1910. All Races, Death-rate per 1,000 Population.

| Year. | Diarrhœa and Enteritis. | Dysentery. | Total Diarrhœal. |
|---|---|---|---|
| 1900 .. .. | 3·70 | 2·41 | 6·12 |
| 1901 .. .. | 4·38 | 2·16 | 6·55 |
| 1902 .. .. | 4·37 | 2·32 | 6·69 |
| 1903 .. .. | 4·20 | 2·79 | 6·99 |
| 1904 ... .. | 3·56 | 1·88 | 5·43 |
| 1905 .. .. | 4·32 | 2·75 | 7·07 |
| 1906 .. .. | 4·78 | 3·31 | 8·10 |
| 1907 .. .. | 3·34 | 1·73 | 5·07 |
| 1908 .. .. | 3·91 | 1·72 | 5·63 |
| 1909 .. .. | 3·34 | 1·68 | 5·02 |
| Average, 1900 to 1909 .. | 3·99 | 2·28 | 6·27 |
| 1910 .. .. | 3·21 | 1·30 | 4·51 |
| Increase or Decrease .. | —0·78 | —0·98 | —1·76 |

TABLE XXV.—All Diarrhœal Diseases, 1900 to 1910. Death-rate per 1,000 Population.

| Year. | All Races. | Europeans. | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. |
|---|---|---|---|---|---|---|---|---|
| 1900 .. .. | 6·12 | 4·95 | 4·50 | 6·02 | 9·13 | 3·81 | 5·67 | 5·46 |
| 1901 .. .. | 6·55 | 5·24 | 3·78 | 5·47 | 11·44 | 4·75 | 5·29 | 5·84 |
| 1902 .. .. | 6·69 | 7·36 | 4·99 | 6·23 | 10·13 | 4·57 | 3·87 | 6·98 |
| 1903 .. .. | 6·99 | 9·04 | 5·73 | 7·32 | 8·48 | 5·18 | 6·27 | 5·27 |
| 1904 .. .. | 5·43 | 6·04 | 4·97 | 5·81 | 5·19 | 4·65 | 6·92 | 5·75 |
| 1905 .. .. | 7·07 | 5·24 | 6·04 | 7·62 | 8·18 | 5·24 | 5·55 | 5·99 |
| 1906 .. .. | 8·10 | 7·22 | 5·58 | 8·05 | 11·10 | 5·76 | 5·21 | 7·19 |
| 1907 .. .. | 5·07 | 5·74 | 3·24 | 4·39 | 7·90 | 3·86 | 2·41 | 4·61 |
| 1908 .. .. | 5·63 | 5.68 | 4·63 | 6·79 | 6·04 | 3·14 | 3·49 | 5·47 |
| 1909 .. .. | 5·02 | 3·59 | 3·63 | 5·28 | 6·61 | 3·19 | 4·09 | 3·01 |
| Average, 1900–1909 .. | 6·27 | 6·01 | 4·71 | 6·30 | 8·42 | 4·42 | 4·88 | 5·56 |
| 1910 .. .. | 4·51 | 3·54 | 3·23 | 4·89 | 6·14 | 3·49 | 3·12 | 2·19 |
| Increase or Decrease .. | —1·76 | —2·47 | —1·48 | —1·41 | —2·28 | —0·93 | —1·76 | —3·37 |

(*a*) *Diarrhœa and Enteritis.*—Deaths, 623 ; ratio, 3·21 ; average for previous ten years, 3·99 ; decrease, 0·78 per 1,000. This is the lowest rate since 1899. The mortality from this cause during each of the last eleven years is shown in the following table :—

TABLE XXVI.—Diarrhœa and Enteritis, 1900 to 1910. Death-rate of each Race per 1,000 Population.

| Year. | All Races. | Europeans. | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. |
|---|---|---|---|---|---|---|---|---|
| 1900 .. .. | 3·70 | 1·52 | 2·80 | 3·95 | 5·53 | 1·71 | 3·63 | 2·96 |
| 1901 .. .. | 4·38 | 1·50 | 2·77 | 3·88 | 7·85 | 2·58 | 3·53 | 3·67 |
| 1902 .. .. | 4·37 | 3·68 | 3·82 | 4·31 | 6·77 | 2·17 | 3·01 | 3·70 |
| 1903 .. .. | 4·20 | 3·25 | 3·70 | 4·72 | 5·08 | 2·40 | 3·76 | 3·12 |
| 1904 .. .. | 3·56 | 1·42 | 3·09 | 4·04 | 3·16 | 3·08 | 4·88 | 3·34 |
| 1905 .. .. | 4·32 | 1·75 | 4·03 | 5·03 | 4·71 | 2·54 | 3·57 | 3·35 |
| 1906 .. .. | 4·84 | 2·06 | 4·07 | 5·10 | 6·01 | 3·20 | 3·86 | 3·85 |
| 1907 .. .. | 3·34 | 3·04 | 1·97 | 3·03 | 5·22 | 2·58 | 0·94 | 2·38 |
| 1908 .. .. | 3·91 | 1·67 | 2·83 | 5·12 | 3·95 | 2·16 | 2·39 | 2·74 |
| 1909 .. .. | 3·34 | 0·65 | 2·24 | 3·81 | 4·03 | 2·08 | 3·20 | 2·15 |
| Average, 1900–1909 .. | 3·99 | 2·05 | 3·13 | 4·30 | 5·23 | 2·45 | 3·28 | 3·13 |
| 1910 .. .. | 3·21 | 2·58 | 2·92 | 3·77 | 3·99 | 2·18 | 2·25 | 1·23 |
| Increase or Decrease .. | —0·78 | +0·53 | —0·21 | —0·53 | —1·24 | —0·27 | —1·03 | —1·90 |

(*b*) *Dysentery.*—Deaths, 252 ; ratio, 1·30 ; average for previous ten years, 2·28 ; decrease, 0·98 per 1,000. This is also the lowest death-rate on record. The mortality during each of the last eleven years is shown in Table XXVII. :—

TABLE XXVII.—Dysentery, 1900–1910. Death-rate per 1,000 Population of each Race.

| Year. | All Races. | Europeans. | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. |
|---|---|---|---|---|---|---|---|---|
| 1900 .. .. | 2·41 | 3·43 | 1·70 | 2·07 | 3·60 | 2·10 | 2·04 | 2·50 |
| 1901 .. .. | 2·16 | 3·74 | 1·01 | 1·59 | 3·59 | 2·17 | 1·76 | 2·17 |
| 1902 .. .. | 2·32 | 3·68 | 1·17 | 1·92 | 3·36 | 2·40 | 0·86 | 3·28 |
| 1903 .. .. | 2·79 | 5·79 | 2·03 | 2·60 | 3·40 | 2·78 | 2·51 | 2·15 |
| 1904 .. .. | 1·88 | 4·62 | 1·88 | 1·77 | 2·03 | 1·57 | 2·04 | 2·41 |
| 1905 .. .. | 2·75 | 3·49 | 2·01 | 2·69 | 3·47 | 2·70 | 1·98 | 2·64 |
| 1906 .. .. | 3·31 | 5·16 | 1·51 | 2·95 | 5·09 | 2·56 | 1·35 | 3·34 |
| 1907 .. .. | 1·73 | 2·70 | 1·27 | 1·36 | 2·68 | 1·32 | 1·50 | 2·23 |
| 1908 .. .. | 1·72 | 4·01 | 1·80 | 1·67 | 2·09 | 0·98 | 1·10 | 2·74 |
| 1909 .. .. | 1·68 | 2·94 | 1·39 | 1·47 | 2·58 | 1·11 | 0·89 | 0·86 |
| Average, 1900–1909 .. | 2·28 | 3·96 | 1·58 | 2·01 | 3·19 | 1·97 | 1·60 | 2·43 |
| 1910 .. .. | 1·30 | 0·96 | 0·31 | 1·12 | 2·15 | 1·31 | 0·87 | 0·96 |
| Increase or Decrease .. | —0·98 | —3·00 | —1·27 | —0·89 | —1·04 | —0·66 | —0·73 | —1·47 |

(12) *Fevers* (enteric or typhoid, simple continued, remittent, and intermittent fever).—Deaths, 353 ; ratio, 1·82 per 1,000 ; average ratio during previous ten years, 2·71 ; decrease, 0·89 per 1,000.

The death-rate from fevers as a whole in 1910 was the lowest on record as the Table XXVIII. (*a*) shows:—

TABLE XXVIII. (*a*).—Death-rate from all Fevers per 1,000 Living.

| Year. | Death-rate. | Year. | Death-rate. |
|---|---|---|---|
| 1897 .. .. | 3·75 | 1904 .. .. | 2·16 |
| 1898 .. .. | 3·59 | 1905 .. .. | 2·07 |
| 1899 .. .. | 3·22 | 1906 .. .. | 3·39 |
| 1900 .. .. | 3·17 | 1907 .. .. | 2·59 |
| 1901 .. .. | 2·92 | 1908 .. .. | 2·84 |
| 1902 .. .. | 2·76 | 1909 .. .. | 2·21 |
| 1903 .. .. | 3·05 | 1910 .. .. | 1·82 |

A cursory examination of the statistics makes it appear at first sight that this reduction in the mortality is due to a reduction in simple continued and remittent fever, and that enteric fever has, on the other hand, although to a less degree, been increasing during the last six or seven years. This is the result of improved diagnosis ; much of what would formerly have been returned as simple continued fever or remittent fever

being now returned under the specific heading of enteric fever. Fourteen years ago, for example, only 20 per cent. of the total deaths from fevers were ascribed to enteric, while 80 per cent. were ascribed to these other fevers ; whereas in 1910 the reverse is the case, 78 per cent. of the total fever mortality being ascribed to enteric fever and only 22 per cent. to these other fevers. It is not surprising under these circumstances that the belief should have arisen that enteric fever was more prevalent of late years than it used to be.

The statistics of the fever group are shown in Tables XXVIII. (*b*) to XXXIII. :—

TABLE XXVIII. (*b*).—Fevers, 1900–1910. All Races Mortality per 1,000 Population.

| Year. | All Fevers. | Enteric and Suspected Enteric. | Simple Continued Fever. | Remittent Fever. | Intermittent Fever. |
|---|---|---|---|---|---|
| 1900 .. | 3·17 | 0·83 | 1·32 | 0·93 | 0·07 |
| 1901 .. | 2·92 | 0·60 | 1·43 | 0·84 | 0·03 |
| 1902 .. | 2·76 | 0·56 | 1·15 | 1·03 | 0·00 |
| 1903 .. | 3·05 | 0·60 | 1·31 | 1·11 | 0·01 |
| 1904 .. | 2·16 | 0·55 | 0·58 | 0·99 | 0·03 |
| 1905 .. | 2·07 | 0·80 | 0·29 | 0·97 | 0·00 |
| 1906 .. | 3·39 | 1·55 | 0·83 | 1·00 | 0·00 |
| 1907 .. | 2·59 | 1·71 | 0·28 | 0·61 | 0·00 |
| 1908 .. | 2·84 | 2·39 | 0·18 | 0·27 | 0·00 |
| 1909 .. | 2·21 | 1·73 | 0·20 | 0·27 | 0·01 |
| Average, 1900–1909 .. | 2·71 | 1·13 | 0·76 | 0·80 | 0·02 |
| 1910 .. | 1·82 | 1·42 | 0·16 | 0·24 | 0·00 |
| Increase or Decrease .. | —0·89 | +0·29 | —0·60 | —0·56 | —0·02 |

TABLE XXIX.—All Fevers, 1900–1910. Death-rate of each Race per 1,000 Population.

| Year. | All Races. | Europeans. | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. |
|---|---|---|---|---|---|---|---|---|
| 1900 .. | 3·17 | 6·09 | 1·95 | 3·37 | 3·13 | 2·70 | 5·89 | 2·05 |
| 1901 .. | 2·92 | 5·24 | 2·10 | 2·72 | 3·05 | 2·75 | 5·52 | 4·61 |
| 1902 .. | 2·76 | 4·41 | 2·16 | 2·84 | 2·45 | 2·31 | 5·58 | 3·49 |
| 1903 .. | 3·05 | 2·53 | 3·64 | 3·74 | 2·15 | 2·66 | 5·23 | 1·95 |
| 1904 .. | 2·16 | 2·84 | 1·55 | 2·64 | 1·33 | 1·47 | 4·48 | 4·08 |
| 1905 .. | 2·07 | 2·10 | 1·69 | 2·45 | 1·64 | 1·74 | 2·77 | 2·11 |
| 1906 .. | 3·39 | 6·87 | 3·35 | 4·47 | 1·96 | 2·07 | 4·24 | 4·18 |
| 1907 .. | 2·59 | 4·05 | 2·44 | 3·17 | 1·57 | 2·30 | 3·57 | 2·83 |
| 1908 .. | 2·84 | 8·30 | 3·28 | 3·80 | 1·45 | 1·84 | 3·29 | 1·96 |
| 1909 .. | 2·21 | 1·62 | 2·01 | 2·82 | 1·64 | 1·86 | 1·60 | 1·57 |
| Average, 1900–1909 .. | 2·71 | 4·41 | 2·42 | 3·20 | 2·04 | 2·17 | 4·22 | 2·88 |
| 1910 .. | 1·82 | 4·18 | 2·46 | 2·39 | 1·07 | 1·23 | 2·78 | 1·93 |
| Increase or Decrease .. | —0·89 | —0·23 | +0·04 | —0·81 | —0·97 | —0·94 | —1·44 | —0·95 |

TABLE XXX.—All Fevers, 1900 to 1910. Ward Mortality-rate per 1,000 Population of each ward.

| Year. | Colombo Town. | Fort and Galle Face. | Pettah. | San Sebastian. | St. Paul's. | Kotahena. | New Bazaar. | Hospitals. | Maradana. | Slave Island. | Kollupitiya. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1900 .. | 3·17 | 1·32 | 1·45 | 1·62 | 1·80 | 5·25 | 1·74 | 12·91 | 1·71 | 3·96 | 2·23 |
| 1901 .. | 2·92 | 3·06 | 2·12 | 2·34 | 1·81 | 3·34 | 1·77 | 12·67 | 1·53 | 5·16 | 2·17 |
| 1902 .. | 2·76 | 3·06 | 1·59 | 1·26 | 2·54 | 2·90 | 2·29 | 10·86 | 1·94 | 4·59 | 1·52 |
| 1903 .. | 3·05 | 0·44 | 1·72 | 1·54 | 1·97 | 3·59 | 2·79 | 14·48 | 1·61 | 4·77 | 2·09 |
| 1904 .. | 2·16 | 1·75 | 0·53 | 1·42 | 1·06 | 3·82 | 1·83 | 16·39 | 0·97 | 2·14 | 0·79 |
| 1905 .. | 2·07 | 0·44 | 1·19 | 0·90 | 2·20 | 1·72 | 2·06 | 19·88 | 1·33 | 2·09 | 1·39 |
| 1906 .. | 3·39 | 2·10 | 0·79 | 2·45 | 1·76 | 2·48 | 2·49 | 26·36 | 2·54 | 3·79 | 2·65 |
| 1907 .. | 2·59 | 0·00 | 1·19 | 2·41 | 1·64 | 2·33 | 1·88 | 22·27 | 2·63 | 2·26 | 0·99 |
| 1908 .. | 2·84 | 0·87 | 0·40 | 1·62 | 1·36 | 1·49 | 2·01 | 32·61 | 2·06 | 2·84 | 2·81 |
| 1909 .. | 2·21 | 0·44 | 0·79 | 1·49 | 1·36 | 1·71 | 1·62 | 34·00 | 1·41 | 1·82 | 0·97 |
| Average, 1900–1909 .. | 2·71 | 1·35 | 1·18 | 1·71 | 1·75 | 2·86 | 2·05 | — | 1·77 | 3·34 | 1·76 |
| 1910 .. | 1·82 | 0·88 | 1·06 | 1·02 | 1·30 | 1·82 | 1·21 | 24·60 | 1·21 | 1·41 | 1·74 |
| Increase or Decrease .. | —0·89 | —0·47 | —0·12 | —0·69 | —0·45 | —1·04 | —0·84 | — | —0·56 | —1·93 | —0·02 |

TABLE XXXI.—Fevers, 1903–1910. Cases notified.

| Year. | Enteric Fever. | Suspected Enteric. | Simple Continued Fever. | All Fevers. |
|---|---|---|---|---|
| 1903 | 262 | — | — | 262 |
| 1904 | 303 | — | — | 303 |
| 1905 | 451 | 3 | 25 | 479 |
| 1906 | 903 | 45 | 42 | 990 |
| 1907 | 890 | 56 | 121 | 1,067 |
| 1908 | 1,344 | 26 | 251 | 1,621 |
| 1909 | 764 | 30 | 119 | 913 |
| 1910 | 831 | 45 | 79 | 955 |

N.B.—This Table includes Port, Outside, and Untraced Cases.

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TABLE XXXII.—Fevers, 1910. Cases notified by Races.

| Race. | Enteric Fever. | Suspected Enteric. | Continued Fever. | All Fevers. | Case-rate per 1,000 Population. |
|---|---|---|---|---|---|
| All Races | 831 | 45 | 79 | 955 | 5·09 |
| Europeans | 57 | 1 | 2 | 60 | 19·29 |
| Burghers | 104 | 4 | 23 | 131 | 10·07 |
| Sinhalese | 439 | 33 | 41 | 513 | 6·63 |
| Tamils | 91 | 3 | 5 | 99 | 2·08 |
| Moors | 73 | 1 | 3 | 77 | 2·30 |
| Malays | 31 | 1 | 1 | 33 | 5·73 |
| Others | 36 | 2 | 4 | 42 | 5·78 |

N.B.—This Table includes Port, Outside, and Untraced Cases.

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TABLE XXXIII.—Fevers, 1910. Cases notified by Wards.

| Ward. | A. Enteric Cases. | B. Suspected Enteric. | C. Continued Fever. | D. Total of A, B, and C. | E. Case-rate of A and B per 1,000 Population. | F. Case-rate of D. per 1,000 Population. | G. Death-rate from All Fevers. |
|---|---|---|---|---|---|---|---|
| Fort | 11 | — | — | 11 | 4·81 | 4·81 | 0·88 |
| Pettah | 15 | — | 1 | 16 | 1·98 | 2·11 | 1·06 |
| San Sebastian | 28 | 1 | 1 | 30 | 2·68 | 2·77 | 1·02 |
| St. Paul's | 74 | 2 | 4 | 80 | 3·09 | 3·26 | 1·30 |
| Kotahena | 75 | 22 | 20 | 117 | 2·48 | 3·00 | 1·82 |
| New Bazaar | 61 | 3 | 8 | 72 | 3·11 | 3·50 | 1·21 |
| Maradana | 159 | 6 | 9 | 174 | 4·33 | 4·57 | 1·21 |
| Slave Island | 99 | 2 | 7 | 108 | 4·92 | 5·26 | 1·41 |
| Kollupitiya | 117 | 8 | 25 | 150 | 5·18 | 6·22 | 1·74 |
| Eastward Extension | 19 | — | — | 19 | 3·01 | 3·01 | — |
| Colombo Town | 658 | 44 | 75 | 777 | 3·62 | 4·01 | 1·82 |
| Port | 11 | — | — | 11 | — | — | — |
| Outside Limits | 34 | 1 | 1 | 36 | — | — | — |
| Untraced | 128 | — | 3 | 131 | — | — | — |
| Grand Total | 831 | 45 | 79 | 955 | — | — | — |

(*a*) *Enteric or Typhoid Fever* (including suspected enteric).—Total cases, 876; total deaths, 275; case mortality, 31·39 per cent.; death-rate 1·42 per 1,000 persons living. Colombo cases, 702; Colombo case-rate, 3·62 per 1,000.

The death-rate given above includes deaths in hospital of many persons from the port and from outside Colombo, but is reckoned on the Colombo population only. It is therefore somewhat too high. Although it is somewhat higher than the average of the previous ten years, owing to the defective diagnosis of enteric in the earlier years, it is lower than it has been since 1905.

A localized outbreak of enteric occurred in Wolfendahl at the end of June, which lasted until the end of July. 36 cases in all were discovered. As this is a great dairy centre, suspicion first fell upon the milk supply; but it was found upon inquiry that the majority of the sufferers did not use milk at all, nor could any other article of food nor the water supply be held responsible. In several instances a history was obtained of previous cases of so-called "simple continued fever" amongst the friends and relations of the patients, and several persons were found convalescing from these fevers, which in all probability were attacks of enteric fever although it had not been recognized and reported. The majority of the cases occurred in densely-populated gardens comprising many tenements which otherwise presented no special features. With the removal to hospital of the notified cases the outbreak rapidly declined. There would appear to be little doubt that this outbreak was for the most part the result of direct infection from person to person or by the agency of flies infected in the latrines, which I believe to be by far the most common modes of transmission in Colombo, the removal of the cases to hospital being the most effective method of prevention.

The statistics of enteric fever are shown in Tables XXXIV. to XXXVII. :—

TABLE XXXIV.—Enteric Fever, 1900–1910. Death-rate of each Race per 1,000 Population.

| Year. | All Races. | Europeans. | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. |
|---|---|---|---|---|---|---|---|---|
| 1900 .. .. | 0·83 | 5·70 | 0·67 | 1·15 | 0·32 | 0·34 | 0·22 | 0·90 |
| 1901 .. .. | 0·60 | 4·49 | 0·58 | 0·66 | 0·37 | 0·30 | 0·22 | 1·51 |
| 1902 .. .. | 0·56 | 3·68 | 1·16 | 0·62 | 0·27 | 0·13 | 0·21 | 1·64 |
| 1903 .. .. | 0·60 | 1·45 | 1·07 | 0·98 | 0·08 | 0·13 | 0·02 | 0·39 |
| 1904 .. .. | 0·55 | 2·50 | 1·06 | 0·69 | 0·15 | 0·09 | 0·61 | 1·87 |
| 1905 .. .. | 0·80 | 1·41 | 0·97 | 1·16 | 0·29 | 0·41 | 1·00 | 0·88 |
| 1906 .. .. | 1·55 | 5·52 | 2·24 | 2·25 | 0·63 | 0·54 | 1·16 | 1·68 |
| 1907 .. .. | 1·71 | 3·71 | 1·81 | 2·29 | 0·76 | 1·40 | 1·31 | 1·43 |
| 1908 .. .. | 2·39 | 7·64 | 3·04 | 3·29 | 1·12 | 1·44 | 1·83 | 1·66 |
| 1909 .. .. | 1·73 | 1·30 | 1·70 | 2·35 | 1·08 | 1·53 | 0·89 | 0·70 |
| Average, 1900–1909 .. | 1·13 | 3·74 | 1·43 | 1·54 | 0·51 | 0·63 | 0·75 | 1·27 |
| 1910 .. .. | 1·42 | 3·54 | 2·07 | 1·93 | 0·73 | 1·02 | 1·04 | 1·65 |
| Increase or Decrease .. | +0·29 | —0·20 | +0·64 | +0·39 | +0·22 | +0·39 | +0·29 | +0·38 |

TABLE XXXV.—Enteric Fever, 1900 to 1910. Ward Mortality (inclusive of Suspected Enteric also of Port and Outside Deaths). Rate per 1,000 Population of Each Ward.

| Year. | Colombo Town. | Fort and Galle Face. | Pettah. | San Sebastian. | St. Paul's. | Kotahena. | New Bazaar. | Hospitals.* | Maradana. | Slave Island. | Kollupitiya. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1900 .. .. | 0·83 | 0·87 | 0·26 | 0·54 | 0·05 | 1·12 | 0·40 | 32·8 | 0·50 | 0·29 | 0·67 |
| 1901 .. .. | 0·60 | 1·31 | 0·26 | 0·63 | 0·14 | 0·26 | 0·39 | 50·5 | 0·19 | 0·35 | 0·27 |
| 1902 .. .. | 0·56 | 2·18 | 0·13 | 0·10 | 0·24 | 0·46 | 0·27 | 42·9 | 0·28 | 0·22 | 0·31 |
| 1903 .. .. | 0·60 | 0·00 | 0·00 | 0·00 | 0·14 | 0·20 | 0·10 | 62·3 | 0·48 | 0·28 | 0·30 |
| 1904 .. .. | 0·55 | 0·43 | 0·00 | 0·20 | 0·00 | 0·33 | 0·16 | 56·5 | 0·39 | 0·32 | 0·14 |
| 1905 .. .. | 0·80 | 0·00 | 0·26 | 0·00 | 0·17 | 0·69 | 0·31 | 37·5 | 0·50 | 0·69 | 0·86 |
| 1906 .. .. | 1·55 | 1·31 | 0·00 | 0·59 | 0·22 | 1·26 | 0·26 | 49·4 | 1·06 | 0·63 | 0·98 |
| 1907 .. .. | 1·71 | 0·00 | 0·26 | 1·25 | 0·86 | 1·55 | 0·71 | 32·3 | 2·02 | 0·82 | 0·59 |
| 1908 .. .. | 2·39 | 0·44 | 0·40 | 1·24 | 1·27 | 1·06 | 1·71 | 37·4 | 1·73 | 1·62 | 2·33 |
| 1909 .. .. | 1·73 | 0·00 | 0·53 | 1·40 | 1·20 | 1·09 | 1·52 | 38·1 | 1·23 | 0·84 | 0·47 |
| Average, 1900 to 1909 .. | 1·13 | 0·65 | 0·21 | 0·60 | 0·43 | 0·80 | 0·58 | — | 0·84 | 0·61 | 0·69 |
| 1910 .. .. | 1·42 | 0·88 | 1·06 | 0·93 | 1·26 | 1·36 | 0·92 | 31·5 | 0·86 | 0·68 | 1·24 |
| Increase or Decrease .. | +0·29 | +0·23 | +0·85 | +0·33 | +0·83 | +0·56 | +0·34 | — | +0·02 | +0·07 | +0·55 |

* The rates in this column are expressed as a percentage of total deaths from enteric fever.

TABLE XXXVI.—Enteric Cases reported during 1910. (Inclusive of Port and Outside Cases exclusive of Suspected Enteric.)

| Race. | Sex. | 0 to 5 Years. | 5 Years to 10 Years. | 10 Years to 15 Years. | 15 Years to 20 Years. | 20 Years to 25 Years. | 25 Years to 30 Years. | 30 Years to 35 Years. | 35 Years to 40 Years. | 40 Years to 50 Years. | 50 Years to 60 Years. | 60 Years and over. | All Ages. | Total of each Race. | Case Rate per 1,000 Population. | Deaths. | Case Mortality per Cent. | Death-rate per 1,000 Population. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All Races .. | Males | 20 | 49 | 70 | 114 | 87 | 74 | 32 | 16 | 28 | 12 | 8 | 510 | 831 | 4·29 | 238 | 28·6 | 1·23 |
| | Females | 24 | 39 | 55 | 57 | 38 | 49 | 16 | 16 | 17 | 3 | 3 | 321 | | | | | |
| Europeans | Males | — | 1 | — | 3 | 8 | 15 | 5 | 2 | 5 | 1 | — | 40 | 57 | 18·32 | 11 | 19·3 | 3·54 |
| | Females | — | 2 | — | 6 | — | 6 | 1 | 1 | 1 | — | — | 17 | | | | | |
| Burghers . | Males | 4 | 9 | 14 | 5 | 6 | 5 | 2 | 1 | 1 | 2 | 1 | 50 | 104 | 8·00 | 25 | 24·0 | 1·92 |
| | Females | 3 | 7 | 5 | 11 | 10 | 8 | 1 | 5 | 3 | — | 1 | 54 | | | | | |
| Sinhalese . | Males | 11 | 23 | 44 | 57 | 45 | 27 | 11 | 8 | 13 | 6 | 3 | 248 | 439 | 5·67 | 118 | 26·8 | 1·52 |
| | Females | 10 | 25 | 36 | 37 | 21 | 27 | 9 | 9 | 11 | 4 | 2 | 191 | | | | | |
| Tamils .. | Males | 3 | 5 | 7 | 18 | 11 | 11 | 7 | 1 | 6 | 1 | 2 | 72 | 91 | 1·91 | 32 | 35·2 | 0·67 |
| | Females | 2 | 2 | 4 | 1 | 2 | 3 | 2 | 1 | — | 2 | — | 19 | | | | | |
| Moors .. | Males | 1 | 6 | 4 | 14 | 8 | 5 | 4 | 4 | 2 | 2 | 1 | 51 | 73 | 2·18 | 34 | 46·5 | 1·02 |
| | Females | 2 | 1 | 7 | 1 | 4 | 4 | 2 | — | 1 | — | — | 22 | | | | | |
| Malays .. | Males | 1 | 5 | 1 | 4 | 1 | 1 | — | — | — | — | 1 | 14 | 31 | 5·39 | 6 | 19·3 | 1·04 |
| | Females | 7 | 2 | 3 | — | 1 | 1 | 1 | — | 1 | 1 | — | 17 | | | | | |
| Others .. | Males | — | — | — | 13 | 8 | 10 | 3 | — | 1 | — | — | 35 | 36 | 4·95 | 12 | 33·3 | 1·65 |
| | Females | — | — | — | 1 | — | — | — | — | — | — | — | 1 | | | | | |

(*b*) *Simple Continued Fever* (*notifiable*).—Cases reported, 79; deaths registered, 30; case mortality 38·0 per cent.; death-rate, 0·16 per 1,000; average death-rate for previous ten years, 0·76 per 1,000; decrease, 0·60 per 1,000 living. This, like the death-rate for the fever group as a whole, was the lowest on record. While the decrease in the simple continued fever death-rate undoubtedly indicates a genuine decrease in the prevalence of fever, it over-states the case, a great deal of the apparent reduction being the result of improved diagnosis, whereby the enteric fever rate has been made fallaciously to appear as if it had been on the increase.

The statistics of simple continued fever are shown in the following tables :—

TABLE XXXVII.—Simple Continued Fever, 1900–1910. Death-rate of each Race per 1,000 Population.

| Year. | All Races. | Europeans. | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. |
|---|---|---|---|---|---|---|---|---|
| 1900 | 1·32 | 0·38 | 0·76 | 1·39 | 1·47 | 0·94 | 4·08 | 0·90 |
| 1901 | 1·43 | 0·00 | 1·18 | 1·41 | 1·25 | 1·27 | 4·85 | 2·16 |
| 1902 | 1·15 | 0·36 | 0·58 | 1·15 | 0·99 | 1·15 | 4·29 | 1·23 |
| 1903 | 1·31 | 0·36 | 0·74 | 1·71 | 0·98 | 0·83 | 3·78 | 0·58 |
| 1904 | 0·58 | 0·00 | 0·24 | 0·72 | 0·28 | 0·52 | 2·26 | 0·75 |
| 1905 | 0·29 | 0·35 | 0·24 | 0·26 | 0·27 | 0·28 | 1·00 | 0·35 |
| 1906 | 0·83 | 1·38 | 0·80 | 1·07 | 0·62 | 0·44 | 1·37 | 0·67 |
| 1907 | 0·28 | 0·28 | 0·24 | 0·25 | 0·21 | 0·28 | 1·50 | 0·16 |
| 1908 | 0·18 | 0·00 | 0·08 | 0·30 | 0·04 | 0·06 | 0·91 | 0·00 |
| 1909 | 0·20 | 0·00 | 0·00 | 0·21 | 0·24 | 0·09 | 0·18 | 0·29 |
| Average, 1900–1909 | 0·76 | 0·31 | 0·49 | 0·85 | 0·64 | 0·59 | 2·42 | 0·71 |
| 1910 | 0·16 | 0·00 | 0·39 | 0·15 | 0·13 | 0·12 | 0·35 | 0·14 |
| Increase or Decrease | —0·60 | —0·31 | —0·10 | —0·70 | —0·51 | —0·47 | —2·07 | —0·57 |

TABLE XXXVIII.—Simple Continued Fever, 1910. Cases reported.

| Race. | Cases. | Case Rate per 1,000 Population. |
|---|---|---|
| All Races | 79 | 0·41 |
| Europeans | 2 | 0·64 |
| Burghers | 23 | 1·77 |
| Sinhalese | 41 | 0·53 |
| Tamils | 5 | 0·01 |
| Moors | 3 | 0·01 |
| Malays | 1 | 0·17 |
| Others | 4 | 0·55 |

(*c*) *Remittent Fever* (*not notifiable*).—Deaths, 48; ratio, 0·24 per 1,000; average ratio for previous ten years, 0·80; decrease, 0·56 per 1,000. This, like the simple continued and the total fever death-rates, is the lowest on record. The same remarks apply here as in the case of simple continued fever in regard to the effect of improved diagnosis. The statistics of remittent fever are shown in Table XXXIX.:—

TABLE XXXIX.—Remittent Fever, 1900 to 1910. Death-rate per 1,000 Population.

| Year. | All Races. | Europeans. | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. |
|---|---|---|---|---|---|---|---|---|
| 1900 | 0·93 | 0·00 | 0·50 | 0·76 | 1·17 | 1·32 | 1·58 | 0·22 |
| 1901 | 0·84 | 0·74 | 0·33 | 0·62 | 1·28 | 1·16 | 0·44 | 0·43 |
| 1902 | 1·03 | 0·36 | 0·41 | 1·05 | 1·14 | 1·18 | 1·07 | 0·61 |
| 1903 | 1·11 | 0·72 | 0·49 | 1·01 | 1·09 | 1·69 | 1·05 | 0·98 |
| 1904 | 0·99 | 0·35 | 0·24 | 1·21 | 0·86 | 0·85 | 1·64 | 1·49 |
| 1905 | 0·97 | 0·35 | 0·48 | 1·01 | 1·06 | 1·03 | 0·80 | 0·89 |
| 1906 | 1·00 | 0·00 | 0·32 | 1·45 | 0·72 | 1·12 | 1·75 | 1·85 |
| 1907 | 0·61 | 0·33 | 0·39 | 0·61 | 0·60 | 0·62 | 0·56 | 1·11 |
| 1908 | 0·27 | 0·66 | 0·16 | 0·21 | 0·29 | 0·34 | 0·55 | 0·30 |
| 1909 | 0·27 | 0·32 | 0·31 | 0·25 | 0·22 | 0·21 | 0·53 | 0·58 |
| Average, 1900–1909 | 0·80 | 0·38 | 0·36 | 0·82 | 0·85 | 0·95 | 1·00 | 0·85 |
| 1910 | 0·24 | 0·64 | 0·00 | 0·31 | 0·21 | 0·09 | 1·39 | 0·14 |
| Increase or Decrease | —0·56 | +0·26 | —0·36 | —0·51 | —0·64 | —0·86 | +0·39 | —0·71 |

(*d*) *Intermittent Fever* has entirely disappeared from the returns as a cause of death.

(*e*) *Drainage Fever.*—A question which of late appears to have aroused a considerable amount of public interest and some anxiety, is whether the drainage operations in Colombo are responsible for the occurrence of a type of fever which one frequently hears referred to as "drainage fever." With a view to obtaining the opinions of the medical faculty in Colombo on the point, a letter was addressed to the various practitioners requesting the favour of their answers to the following questions :—

(1) Is there in your opinion a distinct type of fever which is associated with the drainage operations ?
(2) On what grounds do you base your opinion ?
(3) When did you first observe it, and where ?
(4) Have you observed any marked prevalence in any particular street or locality ; if so, where and when ?
(5) What are the usual clinical features ?
(6) What treatment have you found effective ?
(7) General remarks.

Replies were received from twenty-four medical men, including most of the well-known practitioners in the town, and I take this opportunity of thanking them for their courteous response. It may be stated briefly that the overwhelming majority, indeed all but four, express their opinion that there is no distinct type of fever in Colombo which is associated with the drainage operations. Most of them appear to think that the cases of so-called "drainage fever" are in reality cases of abortive or modified enteric fever or para-typhoid, or Roger's seven-day fever, or septic sore-throat, and that they are in no way associated with the drainage operations.

Instances are quoted where cases of so-called "drainage fever" have developed into undoubted typhoid fever, while others are mentioned where the patient had never been near the drainage operations. It is stated, moreover, by physicians of great experience, that exactly similar cases of fever were met with in Colombo long before the drainage operations began.

### Notification of Infectious Diseases.

13. *General.*—The number of cases reported from the town of Colombo of notifiable infectious diseases, viz., plague, cholera, smallpox, chickenpox, measles, diphtheria, acute diarrhœa, enteric fever, simple continued fever, mumps, whooping cough, and phthisis, during 1910 was 2,354.

The table below shows the incidence of these during each month of the year and also the case-rate:—

Table XL. (*a*).—Infectious Diseases, 1910. Cases reported during each month of the year. (Exclusive of Port and Outside Cases.)

| Disease. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total for the Year. | Case-rate per 1,000 Population. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Plague .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Cholera .. .. | — | — | — | — | — | — | 1 | — | — | — | — | — | 1 | 0·005 |
| Smallpox .. .. | — | 1 | — | — | — | 1 | — | 8 | 9 | 11 | 31 | 8 | 69 | 0·37 |
| Chickenpox .. .. | 83 | 169 | 199 | 185 | 72 | 58 | 25 | 6 | 26 | 20 | 25 | 33 | 901 | 4·65 |
| Measles .. .. | 29 | 27 | 15 | 14 | 6 | 13 | 6 | 4 | 9 | 12 | 9 | 5 | 149 | 0·77 |
| Diphtheria .. .. | 1 | 3 | — | 4 | — | 5 | 3 | 1 | — | — | — | 1 | 18 | 0·09 |
| Acute diarrhœa .. .. | — | — | — | — | 3 | 1 | 1 | 1 | — | 2 | — | 3 | 11 | 0·06 |
| Enteric fever .. .. | 47 | 48 | 38 | 31 | 39 | 103 | 96 | 103 | 92 | 66 | 59 | 69 | 791 | 4·08 |
| Suspected enteric .. | 1 | 4 | — | 1 | 6 | 3 | 4 | 13 | 3 | 5 | 1 | 3 | 44 | 0·23 |
| Continued fever .. .. | 3 | 4 | 5 | 4 | 5 | 4 | 13 | 11 | 9 | 8 | 8 | 4 | 78 | 0·40 |
| Mumps .. .. | 9 | 6 | 6 | 6 | 7 | 6 | 4 | 4 | 2 | 8 | 4 | 1 | 63 | 0·32 |
| Whooping cough .. .. | 2 | 2 | 1 | 1 | — | — | — | — | — | 1 | — | — | 7 | 0·04 |
| Phthisis .. .. | — | — | — | — | — | — | — | 46 | 30 | 31 | 55 | 60 | 222 | 1·15 |
| Total .. | 175 | 264 | 264 | 246 | 138 | 194 | 153 | 197 | 180 | 164 | 192 | 187 | 2,354 | — |

In addition to the above, 183 cases of various kinds were notified from the hospitals, which had been admitted from the port or from other places outside Colombo as shown in Table XL. (*b*):—

Table XL. (*b*).—Infectious Diseases, 1910. Cases reported from Port and Outside Limits.

| Disease. | Port. | Outside. | Total. |
|---|---|---|---|
| Cholera .. .. | 8 | — | 8 |
| Smallpox .. .. | 9 | 9 | 18 |
| Chickenpox .. .. | 9 | 78 | 87 |
| Measles .. .. | 2 | 7 | 9 |
| Diphtheria .. .. | — | — | — |
| Enteric fever .. .. | 11 | 29 | 40 |
| Suspected enteric .. .. | — | 1 | 1 |
| Continued fever .. .. | — | 1 | 1 |
| Mumps .. .. | 1 | 4 | 5 |
| Beri-beri .. .. | 9 | — | 9 |
| Phthisis .. .. | — | 5 | 5 |
| Total .. | 49 | 134 | 183 |

As Table XL. (*a*) shows February, March, and April were the months of greatest incidence of these infectious diseases as a whole, this being mainly due to the prevalence of chickenpox. Enteric fever was, however, most prevalent during the months of June, July, August, and September. The notification of phthisis did not commence until August, 222 cases being notified and dealt with during the five months.

14. *Cholera.*—One case of cholera was reported in July. Although the bacteriological finding was positive, there was no cholera so far as was known in the town at the time, nor did any other case occur, and the patient recovered. The clinical features were not fully characteristic of cholera.

Table XLI.—Cholera Cases reported, 1903–1910.

| Year. | Cases reported. | Case rate per 1,000 Population. | Port and Outside Cases not included in Case-rate. |
|---|---|---|---|
| 1903 .. .. | 1 | 0·006 | — |
| 1904 .. .. | 1 | 0·006 | 3 |
| 1905 .. .. | — | — | — |
| 1906 .. .. | 1 | 0·006 | 3 |
| 1907 .. .. | 29 | 0·156 | 2 |
| 1908 .. .. | 30 | 0·166 | 1 |
| 1909 .. .. | — | — | — |
| 1910 .. .. | 1 | 0·005 | 8 |

TABLE XLII.—Mortality from Cholera, 1900–1910.

| Year. | Deaths. | Rate per 1,000 Population. |
|---|---|---|
| 1900 | — | — |
| 1901 | — | — |
| 1902 | 2 | 0·012 |
| 1903 | — | — |
| 1904 | 1 | 0·006 |
| 1905 | — | — |
| 1906 | 2 | 0·011 |
| 1907 | 19 | 0·108 |
| 1908 | 22 | 0·122 |
| 1909 | — | — |
| Average, 1900–1909 | 5 | 0·026 |
| 1910 | — | — |
| Decrease | 5 | 0·026 |

15. *Smallpox.*—Cases from Colombo, 69; case-rate, 0·37 per 1,000; cases from port and outside, 18; deaths, 20; total case mortality, 22·9 per cent. For full particulars of this outbreak reference is requested to special report No. 22 of February 3, 1911.

The following tables show the incidence of smallpox since 1903 :—

TABLE XLIII.—Smallpox Cases, 1903–1910.

| Year. | Cases notified from Town. | Cases notified from Port and Outside not included in Case-rate. | Case-rate per 1,000 Population. |
|---|---|---|---|
| 1903 | 7 | 6 | 0·04 |
| 1904 | 1 | 3 | 0·06 |
| 1905 | 45 | 9 | 0·25 |
| 1906 | 40 | 26 | 0·23 |
| 1907 | 49 | 10 | 0·28 |
| 1908 | 438 | 7 | 2·43 |
| 1909 | 78 | 25 | 0·42 |
| 1910 | 69 | 18 | 0·37 |

TABLE XLIV.—Smallpox Deaths, 1900–1910.

| Year. | Deaths. | Death-rate per 1,000 Population. |
|---|---|---|
| 1900 | 9 | 0·058 |
| 1901 | 29 | 0·185 |
| 1902 | 27 | 0·169 |
| 1903 | 1 | 0·006 |
| 1904 | 1 | 0·006 |
| 1905 | 17 | 0·101 |
| 1906 | 11 | 0·064 |
| 1907 | 8 | 0·045 |
| 1908 | 88 | 0·489 |
| 1909 | 27 | 0·150 |
| Average, 1900–1909 | 22 | 0·127 |
| 1910 | 20 | 0·107 |
| Decrease | 2 | 0·020 |

16. *Vaccination.*—The amount of vaccination performed during the year is shown in the following tables :—

TABLE XLV.—Vaccinations performed during 1910 by Government Vaccinators.

| Ward. | Primary Vaccination. | Re-vaccination. | Total. |
|---|---|---|---|
| Fort, Galle Face, Pettah, and San Sebastian | 1,413 | 1,334 | 2,747 |
| St. Paul's | 1,714 | 1,386 | 3,100 |
| Kotahena | 1,036 | 572 | 1,608 |
| New Bazaar | 1,154 | 609 | 1,763 |
| Maradana | 1,506 | 1,286 | 2,792 |
| Slave Island | 728 | 1,139 | 1,867 |
| Kollupitiya | 684 | 972 | 1,656 |
| Itinerating (Colombo) | 803 | 853 | 1,656 |
| Total | 9,038 | 8,151 | 17,189 |

TABLE XLV. (*a*).—Vaccinations performed by Municipal Vaccinators during 1910 in connection with the Smallpox Outbreak.

| Ward. | Primary Vaccination. | Re-vaccination. | Total. |
|---|---|---|---|
| Fort | 1 | 41 | 42 |
| Pettah | 4 | 67 | 71 |
| San Sebastian | 21 | 60 | 81 |
| St. Paul's | 108 | 467 | 575 |
| Kotahena | 166 | 429 | 595 |
| New Bazaar | 211 | 980 | 1,191 |
| Maradana | 171 | 497 | 668 |
| Slave Island | 332 | 1,198 | 1,530 |
| Kollupitiya | 73 | 261 | 334 |
| Eastward Extension | 145 | 816 | 961 |
| Total | 1,232 | 4,816 | 6,048 |

17. *Chickenpox.*—Cases, 901 ; deaths, nil ; case-rate, 4·65 per 1,000. There was a severe outbreak in the first half of the year, the months of maximum incidence being February, March, and April, after which it rapidly declined.

TABLE XLVI.—Chickenpox, 1903–1910.

| Year. | Cases. | Case-rate per 1,000 Populaton. | Deaths. |
|---|---|---|---|
| 1903 | 230 | 1·41 | 1 |
| 1904 | 274 | 1·65 | — |
| 1905 | 398 | 2·34 | 2 |
| 1906 | 231 | 1·33 | — |
| 1907 | 259 | 1·47 | 2 |
| 1908 | 543 | 3·01 | — |
| 1909 | 828 | 4·50 | — |
| 1910 | 901 | 4·65 | — |

18. *Measles.*—Cases, 149 ; deaths, 4 ; case mortality, 2·7 per cent.

TABLE XLVII.—Measles, 1903–1910.

| Year. | Cases. | Case rate per 1,000 Population. | Deaths. |
|---|---|---|---|
| 1903 | 119 | 0·72 | — |
| 1904 | 278 | 1·67 | 5 |
| 1905 | 397 | 2·34 | 16 |
| 1906 | 354 | 2·04 | 4 |
| 1907 | 74 | 0·41 | — |
| 1908 | 666 | 3·69 | 7 |
| 1909 | 436 | 2·37 | 11 |
| 1910 | 149 | 0·77 | 4 |

19. *Diphtheria.*—Cases, 18 ; deaths, 4 ; case mortality, 22·2 per cent. There is no doubt a good deal more diphtheria than the returns indicate. Fifty per cent. of the cases were amongst Burghers. It probably exists in a mild form, which is not recognized as a rule, except when it occurs in one of the better classes who can afford to employ qualified medical men. The part of the town from which most of the cases were notified was Wellawatta.

TABLE XLVIII.—Diphtheria, 1903–1910.

| Year. | Cases. | Case rate per 1,000 Population. | Deaths. |
|---|---|---|---|
| 1903 | — | — | — |
| 1904 | 6 | 0·03 | 4 |
| 1905 | 2 | 0·01 | — |
| 1906 | 10 | 0·05 | 1 |
| 1907 | 13 | 0·07 | 4 |
| 1908 | 7 | 0·04 | 4 |
| 1909 | 8 | 0·04 | 2 |
| 1910 | 18 | 0·09 | 4 |

20. *Acute Diarrhœa.*—11 cases were notified, but the statistics are not reliable, as the distinction between ordinary diarrhœa and acute or choleraic diarrhœa is not generally made. The cases reported were scattered all over the town, there being no apparent connection between them.

TABLE XLIX.—Acute Diarrhœa and Cholera Cases, 1906–1910 (exclusive of Cases from the Port).

| Month. | 1906. | | 1907. | | 1908. | | 1909. | | 1910. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Acute Diarrhœa. | Cholera. | Acute Diarrhœa. | Cholera. | Acute Diarrhœa. | Cholera. | Acute Diarrhœa. | Cholera. | Acute Diarrhœa. | Cholera. |
| January | — | — | 3 | 22 | 3 | 1 | 1 | — | — | — |
| February | — | — | — | 3 | 2 | 1 | 1 | — | — | — |
| March | — | — | 1 | 1 | 6 | 1 | — | — | — | — |
| April | — | — | 1 | — | 12 | 3 | 1 | — | — | — |
| May | 1 | — | — | — | 10 | 1 | 2 | — | 3 | — |
| June | 1 | — | — | 2 | 16 | — | 1 | — | 1 | — |
| July | — | — | 3 | — | 9 | 3 | — | — | 1 | 1 |
| August | — | — | 2 | — | 1 | 3 | — | — | 1 | — |
| September | — | — | 2 | — | — | 1 | 3 | — | — | — |
| October | — | 1 | — | — | 4 | — | — | — | 2 | — |
| November | 6 | — | — | 1 | 16 | 12 | 1 | — | — | — |
| December | 4 | — | 1 | — | 6 | 4 | 1 | — | 3 | — |
| Total | 13 | | 42 | | 115 | | 11 | | 12 | |

21. *Mumps.*—Cases, 32 ; deaths, nil.

22. *Whooping Cough.*—Cases, 7 ; deaths, 4 ; case mortality (?) 57·1 per cent. Notification of this disease being very incomplete, the case mortality shown above is probably too high.

## PART II.

### Licensed and Registered Trades.

23. *Dairies.*—There were 34 dairies on the register at the end of 1909. During the year 1910, 11 new dairies were registered and 7 were closed, leaving 38 on the register at the end of the year. The distribution of these is shown in the following statement :—

Table L.—Registration of Dairies, 1910.

| Ward. | Number on Register at end of previous Year. | Number Registered during the Year. | Number Discontinued during the Year. | Total at end of Year. |
|---|---|---|---|---|
| Fort | — | — | — | — |
| Pettah | — | — | — | — |
| San Sebastian | — | — | — | — |
| St. Paul's | 5 | 3 | 1 | 7 |
| Kotahena North | 2 | — | 1 | 1 |
| Kotahena South | 3 | — | 1 | 2 |
| New Bazaar | 2 | — | — | 2 |
| Maradana North | 4 | — | — | 4 |
| Maradana South | 3 | — | — | 3 |
| Slave Island | 2 | — | — | 2 |
| Kollupitiya North | 5 | 1 | 2 | 4 |
| Kollupitiya South | 8 | 3 | 1 | 10 |
| Eastward Extension | — | 4 | 1 | 3 |
| Total | 34 | 11 | 7 | 38 |

The condition of dairy premises as a whole has been much improved during recent years in the matter of the cattle sheds and the provision of milk rooms, drainage, and water supply. There is little difficulty in this climate as regards ventilation of the cattle sheds, as they are all open along the whole of at least one side, and many of them are open on all sides. No doubt the open-air life which the cattle thus lead in a large measure explains the absence of tuberculosis amongst them. The greatest difficulty in dealing with dairies lies in controlling the methods of the dairymen who are almost without exception ignorant, careless, and dirty, and whose one and only object is to make as much money as they can. In order to effect this, they overcrowd their sheds with animals, they employ an insufficient amount of labour, and they adulterate the milk. Constant supervision is therefore required in order to check these evils, and this cannot be given by the sanitary inspectors who have a host of other duties to perform. It is of the highest importance that the conditions under which the milk supply is produced and distributed should be under the closest supervision ; and with a view to improving matters in this respect a special inspector should be appointed to supervise the dairies.

24. *Bakeries.*—There were 45 registered bakeries in Colombo at the end of 1909. During 1910, 15 new bakeries were registered, leaving 60 on the register at the end of the year. The distribution of these in the various wards is shown in the following statement :—

Table LI.—Registration of Bakeries, 1910.

| Ward. | First Quarter. | Second Quarter. | Third Quarter. | Fourth Quarter. | Total at end of Year. |
|---|---|---|---|---|---|
| Fort | 4 | — | — | — | 4 |
| Pettah | 3 | 1 | 1 | — | 5 |
| San Sebastian | 5 | — | — | — | 5 |
| St. Paul's | 6 | 1 | — | — | 7 |
| Kotahena | 9 | — | 1 | 1 | 11 |
| New Bazaar | 2 | — | — | 1 | 3 |
| Maradana | 6 | 1 | 2 | — | 9 |
| Slave Island | 7 | — | 1 | — | 8 |
| Kollupitiya | 3 | — | — | 1 | 4 |
| Eastward Extension | — | — | 3 | 1 | 4 |
| Total | 45 | 3 | 8 | 4 | 60 |

The conditions under which bread is made have been much improved. Special attention is paid to the lighting and ventilation of the bake houses, and scrupulous cleanliness is insisted upon, any slackness in this respect being at once visited with prosecution. Every bakery must be provided with a basin, water, soap, and clean towels, and the workmen are required to use these and to wear clean white aprons covering the whole of the front of their bodies.

25. *Laundries.*—The following statement shows the number and distribution of the laundries on the register at the end of 1910 :—

Table LII.—Registration of Laundries, 1910.

| Ward. | Number on Register at end of 1910. |
|---|---|
| Fort | — |
| Pettah | 20 |
| San Sebastian | 5 |
| St. Paul's | — |
| Kotahena North | 11 |
| Kotahena South | 16 |
| New Bazaar | 23 |
| Maradana North | 31 |
| Maradana South | 44 |
| Slave Island | 29 |
| Kollupitiya North | 49 |
| Kollupitiya South | 8 |
| Eastward Extension | 4 |
| Total | 240 |

A good deal of improvement has been effected as regards the laundry premises. Cementing of the floors and of the walls to a height of five feet is insisted upon, and laundrymen are required to provide separate accommodation for clean and dirty linen, and to keep these apart from their dwelling-rooms. There is, however, much work to be done in this respect still, many of the laundrymen urging poverty as an excuse for not complying with the Public Health Department's requirements. The laundry methods are the same as hitherto, as no one appears to be able to conduct a steam laundry on modern lines with success.

26. *Eating-houses.*—There were 283 registered eating-houses in Colombo at the end of the year 1910, the distribution of which is shown in the following statement :—

TABLE LIII.—Registration of Eating-houses, 1910.

| Ward. | Number on Register at end of 1910. |
|---|---|
| Fort | 38 |
| Pettah | 56 |
| San Sebastian | 22 |
| St. Paul's | 27 |
| Kotahena North | 13 |
| Kotahena South | 3 |
| New Bazaar | 14 |
| Maradana North | 12 |
| Maradana South | 19 |
| Slave Island | 62 |
| Kollupitiya North | 8 |
| Kollupitiya South | 6 |
| Eastward Extension | 3 |
| Total | 283 |

These eating-houses demand a great deal of attention on the part of the inspectors, as there is a constant tendency towards carelessness on the part of the eating-house keepers. They cater for the most part for a poor class of people who are not particular as to the conditions under which they take their food. There are, however, a few very good eating-houses, where a considerable effort has been made by the owners to render them attractive to those with more fastidious tastes.

27. *Offensive and Dangerous Trades.*—The following statement shows the number of licenses issued in respect of the various offensive and dangerous trades :—

TABLE LIV.

| Trade. | First Quarter. | Second Quarter. | Third Quarter. | Fourth Quarter. | Total for the Year. |
|---|---|---|---|---|---|
| Timber depôt | 16 | 13 | 14 | 6 | 49 |
| Straw depôt | 10 | 7 | 2 | 3 | 22 |
| Dyeing-houses | 9 | — | 4 | 1 | 14 |
| Cotton depôt | 2 | 3 | 6 | — | 11 |
| Manure depôt | 15 | — | 1 | 4 | 20 |
| Firewood depôt | 65 | 23 | 12 | 13 | 113 |
| Soap manufactories | 2 | — | — | 1 | 3 |

28. *Aerated Water and Ice Factories.*—There were 15 registered aerated water factories in Colombo at the end of the year, distributed as shown in the following statement :—

TABLE LV.—Aerated Water Factories, 1910.

| Ward. | Number on Register on December 31, 1910. |
|---|---|
| Fort | — |
| Pettah | 2 |
| San Sebastian | 1 |
| St. Paul's | — |
| Kotahena North | — |
| Kotahena South | — |
| New Bazaar | 1 |
| Maradana North | 2 |
| Maradana South | 1 |
| Slave Island | 7 |
| Kollupitiya North | 1 |
| Kollupitiya South | — |
| Eastward Extension | — |
| Total | 15 |

The most unsatisfactory feature about the aerated water trade is the use of domestic filters by the manufacturers. This will be rendered unnecessary when the town water supply is filtered before distribution.

## FOOD AND WATER.

29. *Food Inspection.*—It is necessary once again to record the inadequacy of the arrangements for the inspection of food in the town of Colombo. There is no more staff available to-day for the carrying on of this important work than there was when I took charge of the Department eight and a half years ago, although I have repeatedly, both in my annual reports and in special reports, invited the attention of the Council, and asked that a food inspector should be appointed. Two separate Committees have considered this matter and have recommended that a food inspector should be appointed, and the Council have once adopted such a recommendation, but subsequently annulled it.

The sanitary inspectors by themselves cannot do this work properly, as they have too many other duties to perform, and have frequently to give their whole attention to epidemic diseases. There should be a chief food inspector with under him a special dairies' inspector and a special markets' inspector.

The following statement shows the quantities of unwholesome food seized by the sanitary inspectors during the year 1910 :—

TABLE LVI.—Unwholesome Food Stuffs seized, 1910.

| | Cwt. | qr. | lb. |
|---|---|---|---|
| Dry fish .. .. | 6 | 1 | 24 5/6 |
| Fresh fish .. .. | 6 | 0 | 0 |
| Potatoes .. .. | 2 | 0 | 3 |
| Salt fish .. .. | 0 | 0 | 9 |
| Livers .. .. | 0 | 0 | 2 |
| Mutton .. .. | 0 | 0 | 2 |
| Beef .. .. | 0 | 1 | 6 |
| Sponge-cake .. .. | 0 | 0 | 2 3/4 |
| Mangoes .. .. | 0 | 1 | 18 1/2 |

7 bags dry fish
31 mangoes
14 sour-sops
100 wood apples
6 pineapples

*Food Stuffs condemned at Customs.*

722 bags of rice
5 bags potatoes
1 bag cured fish

The quantity of meat which was condemned in the slaughter-house is shown in Table LIX.

30. *Milk.*—The work of milk sampling was vigourously carried on during the year, often in the face of great difficulties, 1,026 samples being taken to the City Analyst. The results show a great improvement in the quality of the milk offered for sale, only 23·7 of the samples being condemned as adulterated as against 45·7 per cent. in 1909. There is evidence to show that dairymen are now in many instances adopting the practice of removing the cream from their milk, and a difficulty is being experienced in dealing with such cases in court owing to the fact that the milk standard adopted by the Council has not yet been fixed by law. This is a matter which will be dealt with in the by-laws which may now be framed under the new Municipal Ordinance.

31. *Tinned Food-stuffs.*—The importation of tinned food-stuffs is carried on to such a large extent that it would be worth the while of producers to comply with local regulations were such adopted. Amongst these regulations should be included—

(1) Making it illegal to sell milk in tins which bear instructions for dilution which, if carried out, would reduce the quality of the milk to below the local standard.
(2) Making it illegal to sell food stuffs of any sort in tins unless the tin bore the date of filling at the factory clearly stamped upon them. Due notice of course would have to be given before such regulations were enforced.

32. *Bread.*—Thirty-five samples of bread were taken during the year, all of which were found to be free from adulteration. The quality of the Colombo bread is however for the most part very poor, which is, I believe, in some measure due to the kind of yeast which the bakers use, viz., toddy yeast.

33. *Town Water : Quality.*—Twelve samples of the town water were taken each month for chemical analysis from the various wards of the town, and one sample was examined each quarter by the Director of the Bacteriological Institute. The results of these examinations have invariably shown the water to be good and wholesome. It is desirable, however, that the bacteriological examinations should be made much oftener, and this will be done when the newly-appointed Municipal Bacteriologist arrives. As previously reported the water, particularly at times, contains a considerable amount of suspended matter which was found to consist mainly of harmless oxides of iron with a certain admixture of vegetable matter, derived no doubt from the jungle-covered catchment area. This suspended matter, in addition to rendering the water unsightly, has the further disadvantage that it forms a deposit within the pipes, which it blocks up and thus reduces the already scanty supply. It also renders the water unsuitable for the manufacture of aerated waters until it has been filtered. For these reasons it is desirable that some method of filtration should be adopted prior to distribution. This is a matter now under consideration.

*Quantity.*—Although there is an abundant supply at Labugama, the amount distributed to the town is insufficient. The laying of the extra main and the construction of the third reservoir for the south end of the town as recently sanctioned by the Conucil will rectify this.

34. *Well Water.*—Owing to the scarcity of the town water people are in many instances driven to using well water which, almost without exception, is grossly polluted. Out of 165 samples of well waters taken during the year, 155 or 94 per cent. were found to be dangerously polluted.

35. *Aerated Waters.*—With the exception of the presence of copper in a certain number of the aerated waters examined, they were found to be good and wholesome. It appears to be difficult to prevent copper gaining access, as the slightest flaw in the block tin lining of the bottling apparatus results in the solution of copper by the water which is charged with carbonic acid gas. The responsibility for the production of pure aerated waters rests however with the manufacturers, and they are required to either take steps to prevent copper gaining access, or to cease carrying on their trade.

36. *Bacteriological Work.*—The results of the examinations made on behalf of the Council by the Director of the Bacteriological Institute are shown in the following statement :—

TABLE LVII.—Bacteriological Examination of Town Water, 1910, by Director Bacteriological Institute.

| | First Quarter. | Second Quarter. | Third Quarter. | Fourth Quarter. |
|---|---|---|---|---|
| Number of bacteria per c.c. of water (agar plate) .. | 384 | 352 | 336 | 368 |
| Number of bacteria per c.c. of water (gelatine plate) .. | 416 | 416 | 410 | 384 |
| Bacillus coli .. .. | — | — | — | — |
| Bacillus enteritidis sporogenes .. | — | — | — | — |
| Typhosus .. .. | — | — | — | — |
| Cholera vibrio .. .. | — | — | — | — |
| Streptococci .. .. | — | — | — | — |
| Germs liquifying gelatine .. | — | — | — | — |

37. *Analytical Work.*—1,546 samples of various sorts were sent to the City Analyst during the year, which is the largest number hitherto dealt with. The details are shown in the following statement :—

TABLE LVIII.—Analysis made by the City Analyst during 1910.

| Nature of Samples. | Number of Samples sent to City Analyst. | Number condemned. | Number passed. | Number on which Reports not received. |
|---|---|---|---|---|
| Town water | 159 | — | 159 | — |
| Well water | 165 | 155 | 3 | 7 |
| Milk | 1,026 | 243 | 737 | 46 |
| Bread | 35 | — | 35 | — |
| Sugar | 31 | — | 31 | — |
| Flour | 42 | — | 42 | — |
| Butter | 2 | — | 2 | — |
| Opium | 1 | — | 1 | — |
| Tinned milk | 2 | — | 1 | 1 |
| Sweets | 6 | — | 6 | — |
| Beer | 1 | — | 1 | — |
| Sherbet | 1 | — | 1 | — |
| Soda water | 24 | 13 | 10 | 1 |
| Tonic | 1 | 1 | — | — |
| Sterilized milk | 1 | — | 1 | — |
| Lake water | 28 | — | — | —* |
| Kelani river water | 21 | — | — | —* |
| Total | 1,546 | 412 | 1,030 | 55 |

* For record purposes.

38. *Public Markets : (a) Buildings.*—There is little improvement to record in regard to the condition of the public markets, which remain for the most part, as hitherto, a discredit to the town. The re-construction of Dean's road market, which is the most important improvement so far sanctioned, is still far from completion, and so long as the work is in progress it is impossible to keep the market nicely. It is necessary that the whole question of public markets should be considered, and that a definite policy should be adopted, the guiding principle of which should, I think, be that the Council should concentrate its attention upon the larger markets, leaving for the present the provision of small markets in sparsely-populated areas to private enterprise, subject of course to regulation. The revenue derived from public markets has for years exceeded Rs. 40,000, only a fraction of which has so far been applied to improving their condition. This revenue, which is absurdly small for a town of the size of Colombo, could, I believe, be greatly increased if a better class of markets were reected ; but there is little inducement for either the public to patronize, or for the tradesmen to occupy, the existing insanitary and under-staffed establishments. If we had a better class of public market we could reasonably insist upon a higher standard being maintained in the private markets and boutiques.

(*b*) *Administration.*—The present arrangements for administering the public markets are most unsatisfactory, and a more liberal policy is required. It is of the highest importance that the public markets should be well managed, but this is impossible with the existing staff. I have submitted a special report dealing with this matter (*vide* No. 39 of February 25, 1911).

39. *Slaughter-house.*—The sanitary condition of the slaughter-house buildings is fairly good, but the arrangements for the disposal of the drainage, which contains much blood, remain in the same highly insanitary condition. The extension of the sewers so as to receive the liquid waste from the slaughter sheds is the only satisfactory solution of the difficulty. The desirability of instituting the separate system of slaughter must be admitted on humanitarian grounds, but it is opposed to the principle which has been adopted on the Continent, where the common slaughter hall is considered the most sanitary.

The improvements required to the cooly lines have not yet been carried out.

The slaughter-house returns are shown in the following statements :—

TABLE LIX.—Slaughter-house Returns, 1910.

(*a*) *Cattle, &c., Slaughtered.*

| | Cattle. | Sheep and Goats. | Pigs. |
|---|---|---|---|
| First Quarter | 4,499 | 16,407 | 442 |
| Second Quarter | 5,381 | 19,492 | 522 |
| Third Quarter | 6,084 | 22,084 | 565 |
| Fourth Quarter | 6,003 | 21,480 | 577 |
| Total | 21,967 | 79,463 | 2,106 |

(*b*) *Carcases, Livers, &c., Condemned, and Animals found Dead.*

| | Number of Carcases of Cattle condemned and Nature of Disease. | | | Number of Animals found Dead.* | | | Number of Livers, &c., condemned and Nature of Disease. | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cysticercus. | Sarcocystis. | Total. | Cattle. | Sheep and Goats. | Total. | Cattle. | Sheep and Goats. | Hydatis. | Cysticercus. | Flukes. | Congestion. | |
| First Quarter | 4¾ | 11½ | 16¼ | 1 | 5 | 6 | 116 | 1 | 111 | 1 | 3 | 2 | 117 |
| Second Quarter | 9 | 11 | 20 | 1 | 3 | 4 | 177 | — | 174 | 1 | 1 | 1 | 177 |
| Third Quarter | 13½ | 70¼ | 83¾ | 1 | 12 | 13 | 140 | 2 | 141 | — | — | 1 | 142 |
| Fourth Quarter | 51¾ | 14¼ | 66 | 2 | 6 | 8 | 148 | — | 139 | 7 | 1 | 1 | 148 |
| Total | 79 | 107 | 186 | 5 | 26 | 31 | 581 | 3 | 565 | 9 | 5 | 5 | 584 |

* For Causes of Deaths seo annexed (*c*).

*(c) Causes of Deaths of Animals.*

| *Cattle.* | Number |
|---|---|
| Strangulation .. .. .. .. | 1 |
| Congestion of liver .. .. .. .. | 1 |
| Injured .. .. .. .. | 1 |
| Exhaustion .. .. .. .. | 2 |
| Total .. | 5 |
| *Sheep and Goats.* | |
| Inflammation of kidney .. .. .. | 2 |
| Congestion of lung .. .. .. .. | 6 |
| Rinderpest .. .. .. .. | 1 |
| Inflammation of bowels .. .. .. | 2 |
| Congestion of liver .. .. .. .. | 1 |
| Injured .. .. .. .. | 2 |
| Rupture of liver .. .. .. .. | 1 |
| Enlargement of spleen .. .. .. .. | 1 |
| Fatty degeneration of heart .. .. .. | 1 |
| Symptoms of anthrax .. .. .. .. | 1 |
| Exhaustion .. .. .. .. | 8 |
| Total .. | 26 |

*(d) Return of Cattle Rejected.*

| | Indian. | | Ceylon. | | Nature of Disease. | | | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Black. | Buffalo. | Black. | Buffalo. | Wasted. | Sores and Abscesses. | Rheumatism. | Injured. | In Young. | Skin Disease. | Fever. | |
| First Quarter .. | 66 | 2 | 16 | 20 | 92 | 3 | 1 | 2 | 6 | — | — | 104 |
| Second Quarter .. | 157 | 1 | 13 | 38 | 206 | 2 | 1 | — | — | — | — | 209 |
| Third Quarter .. | 289 | 20 | 32 | 49 | 383 | 7 | — | — | — | — | — | 390 |
| Fourth Quarter .. | 128 | 11 | 22 | 39 | 190 | 5 | — | — | 3 | 1 | 1 | 200 |
| Total .. | 640 | 34 | 83 | 146 | 871 | 17 | 2 | 2 | 9 | 1 | 1 | 903 |

40. *Municipal Dispensary, Slave Island.*—In my report No. 257, dated July 28, 1908, the institution of a system of Municipal free dispensaries located in the poorest and most crowded parts of the town was advocated. The Council adopted this proposal, and the first of these dispensaries was opened at Church street, Slave Island, in February, 1910, with a staff of one medical officer, one dispenser, one lady health visitor, and one orderly. The object of this proposal was to enable this Department to get into closer touch with the sick poor, and it was expected that the information so acquired would be of special value in connection with the prevention of infant mortality and diseases, such as enteric fever, dysentery, phthisis, &c.

The results have been most encouraging, no fewer than 6,179 patients being treated during the eleven months, February to December, representing an aggregate of 12,462 visits ; 54 cases of enteric, 63 cases of phthisis, 147 of dysentery, 74 cases of pneumonia, and 290 cases of enteritis, besides many other diseases were treated. 506 cases were discovered and sent in by admission ticket by the health visitor. The medical officer visited 106 cases of illness in their homes, and 64 cases of confinement which had been attended by the Municipal midwife.

So successful has this dispensary proved that I had no hesitation in recommending the further development of the system by the establishment of two more dispensaries, one in St. Paul's Ward and the other in New Bazaar Ward, both of which have a large proportion of poor residents and a consistently high rate of infant mortality. This recommendation has unfortunately not yet been adopted. The dispensary returns are given in Appendix C.

41. *Municipal Enteric Hospital, Kanatta.*—The Municipal enteric hospital was opened with 48 beds on January 15, 1909, with a staff of one part-time medical officer, one apothecary, two nurses, and ten attendants and other servants. The first patient was admitted on February 2, 1909, having been sent in by one of the Municipal Inspectors. As no record of the work done in 1909 was included in the report for that year, a few of the chief data may be mentioned here.

During the eleven months, February to December in 1909, there were 146 admissions, more than half of whom were sent in by the Municipal Inspectors. There were 28 deaths, giving a case mortality of 17·8 per cent.

During the year 1910 the admissions rose to 310 with 52 deaths, the case mortality being only 14·5 per cent., which is very low considering the more or less moribund condition of many of the cases on admission. The cases sent in by the Municipal Inspectors had the remarkably low mortality of 8·2 per cent., which is no doubt in part due to their having been discovered and sent into the hospital in good time.

The results of the two years' work since this hospital was opened are most encouraging. The low death-rate amongst the cases as a whole is, I believe, in no small degree attributable to the liberal air space and the coolness and shadiness of the wards, points which, as I have repeatedly urged in connection with the plans of the new infectious diseases hospital, are of the utmost importance here in treating enteric fever and other exhausting diseases.

The Council have for some years now been considering the question of building a permanent infectious diseases hospital of their own, and it would in my opinion be a wholly indefensible policy to economize in respect of air space, coolness, and shadiness in the wards where patients are, in the interests of the public health, compelled, often against their wishes, to undergo treatment. The hospital returns are given in Appendix B.

42. *Burial Grounds.*—The laws provide for the establishment of two classes of burial grounds, which are defined as (*a*) general cemeteries, and (*b*) burial grounds. Burial grounds are defined as all cemeteries other than general cemeteries.

The administration of general cemeteries is vested in the Public Health Department, each general cemetery having its own executive staff. The administration of burial grounds is in the hands of trustees nominated by the communities who have been granted possession of these grounds. These trustees are required

by law to register these grounds, and to appoint keepers, who in turn are responsible for compliance with the regulations relating to burial grounds.

(*a*) *General Cemeteries.*—There are three general cemeteries in Colombo, viz., at (1) Kanatta, (2) Madampitiya, and (3) Liveramentu, by far the largest and the most important being the one at Kanatta. The arrangements for the administration of these general cemeteries, more especially of the Kanatta cemetery, are far from satisfactory, as has been frequently reported, and special reports have been recently submitted in which proposals are made with a view to improvement.

(*b*) *Burial Grounds.*—The following sectarian burial grounds are in use in Colombo, viz. : (1) Madampitiya, (2) Maligawatta, (3) Kuppiyawatta, (4) Jawatta north, (5) Jawatta south, all Muhammadan burial grounds, (6) Jawatta Parsee tower of silence, (7) Main street, Pettah, Presbyterian burial ground (vaults only).

The Muhammadan burial grounds are for the most part badly kept, there being no attempt whatever made to render them beautiful, and at times they are allowed to become so neglected looking and unkempt as to require the intervention of this Department.

43. *Sanitary Inspectors' Work.*—The services of a Chief Sanitary Inspector, one of whose duties it would be to conduct prosecutions, are, as has repeatedly been urged, required for the proper working of this Department. Such an Officer is employed I believe in all other towns of any importance both at home and in the East.

As regards the work done by the Sanitary Inspectors during 1910, full particulars are given in statements in the Appendix (*vide* Tables LXVIII. to LXXI.).

The routine work was considerably interfered with during the latter half of the year, owing to the outbreak of smallpox which occurred. 50,486 inspections were made during the year, 2,584 notices were served, 35 wells and 90 cesspits were closed, 532 houses were disinfected (exclusive of 1,015 which were disinfected by the sub-inspectors), 3,867 prosecutions were entered, 59 premises comprising many hundreds of tenements were limewashed, 1,536 windows and skylights and 1,139 ventilators were put into houses, surface drainage was provided in 19 premises and improved in 72 others, 163 passages and compounds were paved, the floors of 56 rooms were cemented, 65 insanitary tenements and 23 huts were demolished, besides a variety of other improvements, the details of which are given in the statements appended.

A noteworthy feature of the year's work is the large amount of milk sampling done, 1,026 samples having been taken during the year.

Considering the multifarious duties of the Sanitary Inspectors and the great amount of travelling they have to do, especially during times of epidemic, the travelling allowance which they get of Rs. 15 per month is quite inadequate and tends to hamper their work. They cannot be expected to defray the cost of their official travelling out of their own pockets, and the inevitable result is a tendency towards limiting the amount of travelling which they do and their work suffers in consequence. A report has been submitted dealing with this matter, and I trust that the Council will see their way to accept my recommendation that they should be paid Rs. 25 per month.

44. *Sub-inspectors.*—Up till July, 1909, the work of the sub-inspectors was confined to dealing with enteric fever. At that time the prevention of phthisis on a limited scale by the disinfection of houses where deaths from phthisis had occurred was added to their duties, and in August, 1910, their work in this respect was still further increased by the passing of Ordinance No. 6 of 1910, which made phthisis a notifiable infectious disease, the result being that they have now to attend to living cases as well as to disinfection where deaths occur.

During the year 1910, 658 cases of enteric, 44 of suspected enteric, 75 of simple continued fever, and 222 of phthisis were reported and inquired into. 758 enteric infected and 257 phthisis infected houses were disinfected during the year. (See Table LXXII. in Appendix.)

45. *Cleansing* (*Compounds*).—This work is carried out by an overseer and 4 coolies working under the supervision of the Sub-inspectors and Ward Inspectors, and is for the most part done in premises where infectious diseases have occurred. It is a most useful branch of work, as it renders it possible to clean up dangerously filthy and infected premises at once, without the delay which always occurs when the occupants are required by notice to do the work. 401 premises where enteric had occurred, and 297 other filthy compounds, were cleaned up by this gang during 1910. (See Table LXXIII. in Appendix.)

46. *Cleansing* (*Houses*).—This work, which consists chiefly of limewashing, and which was formerly carried out by this Department, is now carried out by the Works Department who are advised by this Department where such work is required. The householders are given due notice in the first instance by this Department, and if they fail to comply within the time specified, the work is done at their expense by the Works Department, a punishment being inflicted in addition in the Municipal Court when the cost of the work is recovered by the sanitary inspectors. This is an exceedingly useful branch of work.

47. *Insect Pest Prevention.*—This work is carried on by an overseer and two coolies and aims at abolishing the breeding places of mosquitoes and flies. Wherever mosquito or fly larvæ are found, a notice is served upon the occupant to abate the nuisance and to prevent a recurrence. If the notice is not complied with a prosecution is entered. In the case of mosquito-breeding places these are abolished as far as possible at once by the gang, this being collected and buried or removed, small pools filled up, and large pools oiled with kerosine. Subsequent visits are paid to see that there is no recurrence. The work of this gang is not very satisfactory, and a special report has been submitted with proposals for a re-arrangement next year. 367 notices were served during 1910 by the overseer, and 34 prosecutions were entered for failure to comply therewith. (See Table LXXIV. in Appendix.)

48. *Steam Disinfection.*—219 loads representing 14,723 pieces were passed through the equifex steam disinfector during 1910. (See Table LXXV. in Appendix.)

49. *Ambulance.*—The work of transporting patients to the infectious diseases hospital, and of contacts to the segregation camp, has since the middle of 1908 been carried out by the Fire Brigade. This arrangement has proved to be eminently satisfactory, and I take this opportunity of expressing my obligations to the Superintendent and his staff for the excellent manner in which the work has been carried out.

There are two ambulances of the St. John's Ambulance Association pattern, modified to suit the local conditions, both of which are easy springed and rubber-tyred. One of these ambulances is as far as possible reserved for the conveyance of smallpox patients.

There are two contact vans for the conveyance of infectious diseases contacts to the segregation camp. These are also rubber-tyred and very comfortable. They were utilized during the smallpox epidemic to convey vagrants picked up at night in the streets to the Town Hall where they were vaccinated. Here again I am indebted to the Superintendent of the Fire Brigade and his staff for the able and willing manner in which they co-operated with us.

50. *Municipal Midwives.*—631 confinements representing 646 births were conducted by the six midwives during the year 1910, there having been 15 multiple births. There were 41 still-births and 21 deaths within four days, representing a death-rate (exclusive of still-births) of 3·25 per cent. The midwife, with the lowest death-rate amongst her cases, exclusive of still-births, was A. M. Wickremeratne, with a rate of 0·97 per cent. The race with the highest death-rate was as usual the Tamils. (See Tables LXV., LXVI., and LXVII. in Appendix.)

## PART III.

### Conservancy Branch.

51. *General.*—The removal and disposal of the night-soil was as hitherto carried out by contract under the control and supervision of the Public Health Department. At the end of the year there were 10,136 buckets in private latrines and 300 buckets in public latrines being nightly conserved. The recent Census disclosed the fact that the population was 211,184, and it will readily be understood that the practical difficulties incidental to the removal of the waste of such a large population by the primitive method of buckets and hand collection are enormous.

The chief respect in which the contractor failed to give satisfaction was, as hitherto, in the matter of the cleansing of the buckets after they had been emptied. In the absence of sewers to carry off liquid waste, this cleansing has to be done by the dry method of wiping with coir-dust—a most unsatisfactory and insanitary method, and one which is to a very large extent neglected in spite of repeated fines being imposed for neglect. The consequence is that we have got scattered throughout the town, for the most part in close proximity to kitchens, many thousands of buckets, the sides of many of which are coated with fœcal matter. Each one of these foul buckets is a standing menace to the health of those living near, especially during the fly season, and it is hopeless to expect that we shall ever be able to materially reduce the amount of enteric fever here so long as this system is in use.

Every effort has been made to compel the contractor to pay more attention to the cleansing of buckets, but without much success, the result of enhancing the fines for neglect being that he has recently made an application to cancel his contract on the ground that he cannot keep his men if these fines are imposed. Another source of danger in connection with this dry-earth system is that the people will not, in spite of repeated warnings and even prosecutions, take the trouble to cover up their dejecta with the coir-dust supplied for that purpose.

Anyone who has still doubts as to the advisability of substituting for the dry-earth system the water-carriage system now under construction should visit some of these latrines, especially in the poorer quarters, when the absurdity of their contention will at once become apparent.

Details of the neglect by the contractor and the fines imposed upon him during each month of the year are given in Table LXXVI. (*b*) annexed.

52. *Revenue.*—Estimate for the year, Rs. 58,470; amount recovered, Rs. 72,862·81. There was thus an amount of Rs. 14,392·81 recovered in excess of the estimate. The great reduction in the revenue under this heading compared with previous years is due to the conversion at the beginning of 1910 of the charges on account of conservancy with a consolidated rate.

(*b*) *Expenditure.*—Estimate for the year, Rs. 165,852 ; expended, Rs. 167,436·59 ; excess expenditure, Rs. 1,584·59. Deducting the excess expenditure from the excess revenue there was a nett excess revenuefor the year compared with the estimates of Rs. 12,808·22. Details of revenue and expenditure are given in Tables LXXVI. (*a*) and (*c*) in the Appendix.

## PART IV.

### Staff.

53. *Administrative Staff.*—I was absent on leave from Ceylon from March 3 until October 15, during which time Dr. M. de L. Robinson, the Assistant Medical Officer of Health, acted for me.

*Sanitation Branch.*

54. *Staff changes : Clerks.*—Mr. S. P. Fernando, typist, resigned on September 1, 1910; Mr. S. C. Forbes, assistant registration clerk, appointed to succeed him on October 1, 1910 ; Mr. C. W. Anthonisz, clerk, Conservancy Branch, appointed to succeed Mr. S. C. Forbes on October 1, 1910 ; Mr. S. D. Blacker transferred from Conservancy Branch on November 1, 1910.

*Inspectors.*—Mr. J. A. Carnie retired on pension on May 1, 1910, Mr. A. E. La Brooy, supervisor, conservancy branch, succeeded Mr. Carnie on June 1, 1910 ; Mr. M. E. Akbar, sub-inspector, appointed inspector, new extension, on July 1, 1910; Mr. I. C. Jayasinghe, supervisor, conservancy branch, transferred as sub-inspector, on August 1, 1911.

*Overseers.*—S. Abdul Rahiman, overseer, segregation camp, Kanatta, died in January, 1910; A. de Silva appointed overseer, segregation camp, on April 1, 1910.

*Cemetery-keepers.*—Mr. J. L. Albrecht appointed as assistant cemetery-keeper, Kanatta cemetery, on November 25, 1910; H. Don Hendrick, cemetery-keeper, Liveramentu cemetery. This cemetery was taken over by the Council on April 1, 1910.

*Coolies.*—Hendrick (office) cooly resigned on October 31, 1910, Don Richard appointed to succeed him on November 1, 1910. R. D. James, orderly, Slave Island dispensary, resigned on November 31, 1910 ; Govinda Nahir appointed to succeed him on December 1, 1910.

*Health Visitors* (Slave Island Dispensary).—Miss Alice de Haan, health visitor, Slave Island Dispensary, resigned on June 30, 1910; Miss R. L. de Neys appointed to succeed Miss de Haan on July 1, 1910.

*Slaughter-house Coolies.*—Aiappen appointed on August 1, 1910, in place of Sangaram, whose services were discontinued ; Savirimuttu appointed on November 16, 1910, in place of Innasi Muttu, dismissed.

*Enteric Hospital : Nurses.*—Mrs. Cruze resigned on July 31, 1910; Mrs. Van Sanden died on duty on June 30, 1910; Mrs. R. vanEyck, temporary nurse, appointed owing to epidemic of enteric fever from June 25, 1910, to January 31, 1910. Mrs. L. Tyken, temporary nurse, appointed owing to epidemic of enteric fever from July 2, 1910, to January 31, 1911 ; Mrs. Maud Fernando appointed on August 1, 1910 ; Miss Grace Ebert, appointed on October 1, 1910.

*Male Attendants* (*Enteric Hospital*).—Baron Singho died on November 30, 1910, of smallpox ; Don Baron, temporary attendant, appointed owing to epidemic of enteric fever from June 24,1910, to August 23, 1910; Arnolis Appu, temporary attendant, appointed owing to epidemic of enteric fever from June 24, 1910, to August 23, 1910.

*Female Attendants.*—Maggie Silva, temporary female attendant, appointed owing to epidemic of enteric fever from September 15, 1910, to October 10, 1910; Sophy Hamy, female attendant, appointed (temporarily) owing to epidemic of enteric fever from September 15, 1910, to October 10, 1910.

*Ayah.*—Louisa Hamy resigned on March 31, 1910; Ambrosea Silva succeeded Louisa Hamy on April 1, 1910.

*Dhoby.*—John Fernando, temporary dhoby, appointed owing to epidemic of enteric from July 17, 1910, to October 31, 1910.

*Latrine Cooly.*—Vallayan resigned on February 28, 1910 ; Carpen succeeded Vallayan on March 1, 1910 ; Seruvasan, temporary latrine cooly, appointed owing to epidemic of enteric from July 18, 1910, to October 31, 1910.

*Conservancy Branch.*

*Clerks.*—Messrs. C. W. Anthonisz and S. D. Blacker were transferred to the Sanitation Branch on reduction of staff on October 1, 1910.

*Supervisors.*—Mr. A. E. LaBrooy was promoted to Sanitary Inspector in succession to Mr. J. A. Carnie, retired, on May 1, 1910 ; Mr. I. C. Jayasinghe was promoted to be sub-inspector, in succession to Mr. M. E. Akbar, on August 1, 1910 ; Mr. Z. Mansoor was supervisor in succession to Mr. A. E. LaBrooy promoted ; Mr. E. W. Gunawardene was appointed supervisor, in succession to Mr. I. C. Jayasinghe promoted, on September 1, 1910.

W. MARSHALL PHILIP,
Medical Officer of Health.

May 8, 1911.

TABLE LX.—Births and Deaths and their Rates with the Principal Causes of Deaths for each Ward in the Town of Colombo during the Year 1910.

| Ward. | Estimated Population (inclusive of the Military) for the Middle of 1910. | Births. | | | | | | | | | | Deaths. | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total Births. | | | Nationality. | | | | | | | Total Deaths. | | | Nationality. | | | | | | | Principal Causes. | | | | | | | | | |
| | | Persons. | Males. | Females. | Europeans. | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. | Persons. | Males. | Females. | Europeans. | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. | Smallpox. | Measles. | Fevers. | Phthisis. | Pneumonia and Bronchitis | Diarrhœa and Dysentery. | Infantile Convulsions and Tetanus. | Old Age. | Violence. Accident. | Violence. Homicide. | Violence. Suicide. | Violence. Execution. |
| COLOMBO TOWN .. | *187,554 | 4,819 | 2,508 | 2,311 | 76 | 473 | 2,684 | 618 | 728 | 170 | 70 | 5,750 | 3,134 | 2,616 | 78 | 316 | 2,738 | 1,336 | 967 | 162 | 153 | 20 | 4 | 353 | 654 | 848 | 486 | 621 | 292 | 89 | 17 | 22 | 1 |
| Fort and Galle Face .. | 2,285 | 15 | 8 | 7 | 12 | — | 1 | 2 | — | — | — | 39 | 36 | 3 | 11 | — | 2 | 20 | 2 | — | 4 | — | — | 2 | 3 | 5 | — | — | — | 7 | — | 1 | — |
| Pettah .. | 7,561 | 43 | 18 | 25 | — | 3 | 25 | 9 | 1 | 1 | 4 | 94 | 61 | 33 | 1 | 4 | 28 | 41 | 13 | — | 7 | 2 | — | 8 | 17 | 25 | 7 | 5 | — | 3 | 1 | 2 | — |
| San Sebastian .. | 10,804 | 239 | 124 | 115 | 1 | 19 | 76 | 11 | 123 | 7 | 2 | 252 | 138 | 114 | — | 12 | 69 | 30 | 133 | 2 | 6 | 1 | — | 11 | 34 | 39 | 26 | 45 | 16 | 1 | — | — | — |
| St. Paul's .. | 24,574 | 402 | 204 | 198 | 1 | 15 | 111 | 182 | 76 | 3 | 14 | 558 | 255 | 303 | — | 11 | 123 | 274 | 126 | 1 | 23 | 1 | 1 | 32 | 76 | 109 | 62 | 107 | 24 | 3 | 1 | 1 | — |
| Kotahena .. | 38,967 | 885 | 457 | 428 | 1 | 72 | 647 | 93 | 57 | 13 | 2 | 870 | 419 | 451 | 3 | 59 | 550 | 153 | 90 | 6 | 9 | 6 | 1 | 71 | 80 | 158 | 62 | 98 | 61 | 6 | — | 1 | — |
| New Bazaar .. | 20,593 | 489 | 263 | 226 | 2 | 52 | 220 | 43 | 158 | 6 | 8 | 505 | 255 | 250 | 1 | 36 | 183 | 70 | 202 | 5 | 8 | 1 | 1 | 25 | 86 | 90 | 36 | 83 | 32 | 1 | — | — | — |
| Maradana Hospitals .. | 38,101 | 895 | 451 | 444 | 8 | 83 | 701 | 76 | 20 | 1 | 6 | 1,604 | 1,036 | 568 | 38 | 45 | 944 | 448 | 59 | 14 | 56 | 3 | — | 87 | 155 | 165 | 170 | 19 | 42 | 52 | 14 | 8 | — |
| Maradana (exclusive of Hospitals) | | 893 | 507 | 386 | 10 | 114 | 461 | 79 | 181 | 38 | 10 | 911 | 475 | 436 | 8 | 87 | 416 | 134 | 217 | 36 | 13 | 1 | 1 | 46 | 123 | 130 | 51 | 151 | 47 | 6 | — | 2 | 1 |
| Slave Island .. | 20,554 | 484 | 237 | 247 | 9 | 33 | 173 | 71 | 87 | 92 | 19 | 472 | 219 | 253 | 4 | 25 | 161 | 76 | 98 | 88 | 20 | 3 | — | 29 | 43 | 81 | 37 | 68 | 36 | 2 | 1 | 3 | — |
| Kollupitiya .. | 24,115 | 474 | 239 | 235 | 32 | 82 | 269 | 52 | 25 | 9 | 5 | 445 | 240 | 205 | 12 | 37 | 262 | 90 | 27 | 10 | 7 | 2 | — | 42 | 37 | 46 | 35 | 45 | 34 | 8 | — | 4 | — |

| Ward. | Rate per Mille per Annum. | | | | | | Infant Mortality. | |
|---|---|---|---|---|---|---|---|---|
| | Births. | | | Deaths. | | | | |
| | Average, 1900 to 1909. | 1909. | 1910. | Average, 1900 to 1909. | 1909. | 1910. | Children under One Year. | Proportion to 1,000 Births. |
| COLOMBO TOWN .. | 23·4 | 25·0 | 24·9 | 34·5 | 33·5 | 29·7 | 1,420 | 295 |
| Fort and Galle Face .. | 6·7 | 3·1 | 6·6 | 14·0 | 12·3 | 17·1 | 4 | 267 |
| Pettah .. | 6·7 | 7·9 | 5·7 | 13·9 | 13·9 | 12·4 | 15 | 349 |
| San Sebastian .. | 20·4 | 20·9 | 22·1 | 24·7 | 23·1 | 23·3 | 85 | 356 |
| St. Paul's .. | 17·3 | 17·2 | 16·4 | 25·1 | 23·3 | 22·7 | 174 | 433 |
| Kotahena .. | 20·0 | 22·6 | 22·7 | 27·1 | 24·9 | 22·3 | 250 | 282 |
| New Bazaar .. | 23·9 | 23·8 | 23·7 | 30·3 | 28·6 | 24·5 | 158 | 323 |
| Maradana Hospitals .. | — | — | — | — | — | — | 173 | 193 |
| Maradana (exclusive of Hospitals) .. | 22·8 | 22·7 | 23·4 | 26·7 | 25·0 | 23·9 | 292 | 327 |
| Slave Island .. | 24·1 | 22·7 | 23·5 | 28·7 | 25·9 | 23·0 | 166 | 343 |
| Kollupitiya .. | 17·2 | 16·5 | 19·7 | 19·3 | 16·2 | 18·5 | 103 | 217 |

* This is exclusive of the population of Eastward Extension, which was roughly estimated to be 6,303, but the rates for Colombo Town have been calculated on the enhanced population.

TABLE LXI.—Births and Deaths and their Rates for each Race in the Town of Colombo for the Year 1910, and the Average for 1900 to 1909.

| | Estimated Population (inclusive of the Military) to the Middle of 1910. | Births. | | | Deaths. | | | Birth-rate per mille per annum. | | | Death-rate per mille per annum. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average, 1900 to 1909. | 1909. | 1910. | Average, 1900 to 1909. | 1909. | 1910. | Average, 1900 to 1910. | 1909. | 1910. | Average, 1900 to 1910. | 1909. | 1910. |
| All Races.. | 187,554* | 3,962 | 4,589 | 4,819 | 5,821 | 6,169 | 5,750 | 23·4 | 25·0 | 24·9 | 34·5 | 33·5 | 29·7 |
| Europeans .. | 3,111 | 81 | 64 | 76 | 84 | 69 | 78 | 27·9 | 20·9 | 24·4 | 29·1 | 22·5 | 25·1 |
| Burghers .. | 13,008 | 397 | 463 | 473 | 326 | 323 | 316 | 32·1 | 35·8 | 36·4 | 26·4 | 24·9 | 24·3 |
| Sinhalese .. | 77,397 | 2,175 | 2,556 | 2,684 | 2,716 | 2,958 | 2,738 | 29·9 | 33·2 | 34·7 | 37·4 | 38·4 | 35·4 |
| Tamils .. | 47,531 | 482 | 595 | 618 | 1,364 | 1,502 | 1,336 | 12·1 | 12·8 | 13·0 | 34·5 | 32·3 | 28·1 |
| Moors .. | 33,484 | 625 | 671 | 728 | 979 | 990 | 967 | 20·3 | 20·2 | 21·7 | 31·8 | 29·8 | 28·9 |
| Malays .. | 5,756 | 140 | 169 | 170 | 174 | 178 | 162 | 27·3 | 23·9 | 29·5 | 35·0 | 31·7 | 28·1 |
| Others .. | 7,267 | 62 | 71 | 70 | 178 | 149 | 153 | 10·9 | 10·2 | 9·6 | 31·6 | 21·4 | 21·1 |

* This population does not include the population of Eastward Extension, which was roughly estimated to be 6,303. The rates for "All Races" have been calculated on the enhanced population.

TABLE LXII.—Deaths of Males and Females at different Age Periods for each Race in the Colombo Municipality during the Year 1910.

| Age at Death. | Europeans. | | Burghers. | | Sinhalese. | | Tamils. | | Moors. | | Malays. | | Others. | | All Races. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. |
| Under 1 year of age (see particulars on statement) .. .. | 5 | 7 | 46 | 34 | 377 | 329 | 134 | 127 | 151 | 136 | 25 | 21 | 14 | 14 | 752 | 668 |
| Under Five Years— | | | | | | | | | | | | | | | | |
| 1 year and under 2 .. | 1 | — | 23 | 13 | 92 | 117 | 35 | 31 | 35 | 31 | 7 | 7 | 1 | 4 | 194 | 203 |
| 2 years and under 3 .. | — | 1 | 9 | 5 | 54 | 49 | 15 | 21 | 19 | 16 | 7 | 5 | 4 | 1 | 108 | 98 |
| 3 years and under 4 .. | 1 | — | — | 3 | 25 | 32 | 6 | 7 | 4 | 9 | 1 | 7 | — | — | 37 | 58 |
| 4 years and under 5 .. | — | — | 5 | 3 | 20 | 27 | 10 | 8 | 10 | 13 | 1 | 3 | 1 | — | 47 | 54 |
| Over Five Years— | | | | | | | | | | | | | | | | |
| 5 years and under 10 .. | — | 1 | 4 | 7 | 39 | 52 | 9 | 19 | 11 | 19 | 4 | 5 | 1 | 1 | 68 | 104 |
| 10 years and under 15 .. | 2 | — | 4 | 4 | 36 | 38 | 21 | 11 | 13 | 11 | 1 | 4 | 3 | 1 | 80 | 69 |
| 15 years and under 20 .. | 1 | — | 1 | 7 | 46 | 53 | 59 | 24 | 22 | 26 | 3 | 2 | 6 | 1 | 138 | 113 |
| 20 years and under 25 .. | 6 | — | 9 | 9 | 71 | 61 | 74 | 36 | 15 | 29 | 1 | 2 | 17 | 3 | 193 | 140 |
| 25 years and under 35 .. | 15 | 7 | 10 | 18 | 186 | 159 | 118 | 69 | 32 | 41 | 6 | 6 | 28 | 3 | 395 | 203 |
| 35 years and under 45 .. | 9 | — | 8 | 10 | 143 | 95 | 113 | 61 | 31 | 29 | 8 | 1 | 19 | 3 | 331 | 199 |
| 45 years and under 55 .. | 11 | 1 | 11 | 8 | 110 | 79 | 87 | 30 | 33 | 17 | 2 | 1 | 7 | 2 | 261 | 138 |
| 55 years and under 65 .. | 2 | — | 11 | 6 | 86 | 65 | 58 | 36 | 29 | 20 | 6 | 5 | 4 | 1 | 196 | 133 |
| 65 years and under 75 .. | 5 | — | 8 | 16 | 46 | 50 | 29 | 20 | 29 | 19 | 9 | 1 | 4 | 1 | 130 | 107 |
| 75 years and under 85 .. | 2 | — | 6 | 13 | 68 | 71 | 23 | 17 | 30 | 30 | — | 4 | 2 | 1 | 131 | 136 |
| 35 years and over .. | — | 1 | 2 | 3 | 30 | 32 | 9 | 19 | 22 | 35 | 4 | 3 | 6 | — | 73 | 93 |
| Total .. | 60 | 18 | 157 | 159 | 1429 | 1309 | 800 | 536 | 486 | 481 | 85 | 77 | 117 | 36 | 3134 | 2616 |
| Persons .. | 78 | | 316 | | 2,738 | | 1,336 | | 967 | | 162 | | 153 | | 5,750 | |

TABLE LXIII.—Infant Morality and General Death-rate 1895 and Upwards.

| Year. | Infantile Mortality by Quarters expressed as a Rate per 1,000 Births. | | | | | | | | | | | | | | | | | | | | Death-rate per 1,000 Population (All Ages). | | | | Annual Death-rate. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | First Quarter. | | | | | Second Quarter. | | | | | Third Quarter. | | | | | Fourth Quarter. | | | | | | | | | | |
| | Quarter's Births. | 12 Months' Births. | Quarter's Deaths. | Quarterly Rate. | Annual Rate. | Quarter's Births. | 12 Months' Births. | Quarter's Deaths. | Quarterly Rate. | Annual Rate. | Quarter's Births. | 12 Months' Births. | Quarter's Deaths. | Quarterly Rate. | Annual Rate. | Quarter's Births. | 12 Months' Births. | Quarter's Deaths. | Quarterly Rate. | Annual Rate. | First Quarter. | Second Quarter. | Third Quarter. | Fourth Quarter. | Infants. | All Ages. |
| 1895 .. .. | 589 | 2,923 | 272 | 462 | 372 | 750 | 2,903 | 296 | 395 | 408 | 764 | 2,956 | 291 | 381 | 394 | 713 | 2,816 | 345 | 484 | 490 | 35·0 | 32·8 | 35·7 | 32·9 | 428 | 34·0 |
| 1896 .. .. | 721 | 2,948 | 298 | 413 | 404 | 627 | 2,825 | 313 | 499 | 443 | 651 | 2,712 | 330 | 507 | 487 | 768 | 2,767 | 320 | 416 | 463 | 34·6 | 31·4 | 32·8 | 36·1 | 456 | 34·2 |
| 1897 .. .. | 743 | 2,789 | 307 | 411 | 440 | 699 | 2,861 | 314 | 449 | 439 | 525 | 2,735 | 327 | 622 | 478 | 651 | 2,618 | 356 | 547 | 544 | 35·0 | 32·3 | 35·0 | 36·4 | 498 | 34·6 |
| 1898 .. .. | 629 | 2,504 | 316 | 502 | 505 | 758 | 2,563 | 305 | 402 | 476 | 889 | 2,927 | 269 | 302 | 367 | 921 | 3,197 | 308 | 334 | 385 | 38·7 | 35·6 | 29·0 | 31·6 | 375 | 32·1 |
| 1899 .. .. | 920 | 3,468 | 335 | 385 | 386 | 858 | 3,568 | 263 | 306 | 295 | 899 | 3,578 | 271 | 301 | 303 | 964 | 3,641 | 325 | 337 | 384 | 34·0 | 28·8 | 30·4 | 32·7 | 328 | 31·4 |
| 1900 .. .. | 942 | 3,663 | 280 | 297 | 306 | 788 | 3,593 | 314 | 398 | 377 | 758 | 3,452 | 367 | 484 | 425 | 885 | 3,373 | 370 | 418 | 439 | 32·1 | 32·0 | 39·9 | 41·0 | 395 | 33·8 |
| 1901 .. .. | 833 | 3,264 | 307 | 368 | 376 | 772 | 3,248 | 314 | 406 | 386 | 745 | 3,235 | 275 | 369 | 340 | 884 | 3,234 | 369 | 417 | 456 | 35·4 | 32·5 | 33·0 | 36·2 | 389 | 34·7 |
| 1902 .. .. | 934 | 3,335 | 300 | 321 | 359 | 799 | 3,362 | 270 | 338 | 333 | 883 | 3,500 | 343 | 388 | 392 | 1,065 | 3,681 | 412 | 386 | 447 | 35·9 | 30·4 | 34·3 | 33·9 | 360 | 33·5 |
| 1903 .. .. | 979 | 3,726 | 371 | 378 | 398 | 880 | 3,807 | 355 | 403 | 373 | 815 | 3,739 | 345 | 423 | 369 | 878 | 3,552 | 381 | 423 | 429 | 36·0 | 33·7 | 34·2 | 35·8 | 410 | 34·8 |
| 1904 .. .. | 940 | 3,513 | 334 | 355 | 380 | 917 | 3,550 | 312 | 340 | 363 | 897 | 3,632 | 326 | 363 | 359 | 916 | 3,670 | 324 | 353 | 353 | 32·6 | 29·4 | 33·1 | 28·2 | 353 | 30·8 |
| 1905 .. .. | 1,091 | 3,821 | 306 | 280 | 320 | 891 | 3,795 | 348 | 391 | 367 | 885 | 3,783 | 297 | 336 | 314 | 1,049 | 3,916 | 463 | 441 | 472 | 30·9 | 33·7 | 31·2 | 43·3 | 361 | 34·7 |
| 1906 .. .. | 1,426 | 4,251 | 308 | 216 | 289 | 1,109 | 4,469 | 339 | 306 | 304 | 1,029 | 4,480 | 353 | 343 | 306 | 1,162 | 4,726 | 428 | 368 | 362 | 36·0 | 40·0 | 40·1 | 43·3 | 300 | 39·8 |
| 1907 .. .. | 1,124 | 4,424 | 319 | 284 | 288 | 965 | 4,280 | 278 | 288 | 260 | 1,022 | 4,273 | 337 | 328 | 315 | 1,169 | 4,280 | 366 | 313 | 342 | 38·1 | 31·4 | 30·9 | 30·1 | 304 | 32·5 |
| 1908 .. .. | 1,269 | 4,425 | 400 | 315 | 361 | 1,154 | 4,614 | 379 | 328 | 328 | 1,028 | 4,620 | 370 | 360 | 320 | 1,151 | 4,602 | 486 | 422 | 422 | 34·2 | 34·2 | 36·6 | 42·1 | 355 | 36·7 |
| 1909 .. .. | 1,217 | 4,550 | 360 | 296 | 317 | 1,068 | 4,464 | 354 | 331 | 317 | 1,033 | 4,469 | 345 | 334 | 309 | 1,271 | 4,589 | 364 | 286 | 317 | 37·2 | 33·5 | 32·3 | 31·7 | 310 | 33·5 |
| 1910 .. .. | 1,268 | 4,640 | 360 | 284 | 310 | 1,046 | 4,618 | 298 | 285 | 258 | 1,090 | 4,675 | 363 | 333 | 311 | 1,415 | 4,819 | 399 | 282 | 331 | 30·4 | 26·7 | 33·3 | 32·4 | 295 | 29·7 |

TABLE LXIV.—Causes of Deaths which occurred in the Colombo Municipality during the Year 1910.

| Causes of Deaths. | Colombo Town. | Ward. | | | | | | | | | | Nationality. | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Fort and Galle Face. | Pettah. | San Sebastian. | St. Paul's. | Kotahena. | New Bazaar. | Maradana Hospitals. | Maradana, exclusive of Hospitals. | Slave Island. | Kollupitiya. | Europeans. | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. |
| All Causes .. | 5750 | 39 | 94 | 252 | 558 | 870 | 505 | 1604 | 911 | 472 | 445 | 78 | 316 | 2738 | 1336 | 967 | 162 | 153 |
| I. Specific, febrile, or zymotic diseases .. | 933 | 4 | 19 | 43 | 110 | 154 | 69 | 317 | 120 | 74 | 83 | 19 | 64 | 477 | 230 | 139 | 33 | 31 |
| II. Parasitic diseases .. | 213 | — | — | 6 | 14 | 49 | 15 | 61 | 34 | 13 | 21 | — | 3 | 131 | 47 | 23 | 5 | 4 |
| III. Dietetic diseases .. | 63 | 1 | — | — | — | 28 | — | 11 | 7 | 11 | 5 | — | 2 | 36 | 16 | 6 | 2 | 1 |
| IV. Constitutional diseases .. | 790 | 4 | 17 | 39 | 82 | 108 | 99 | 196 | 145 | 52 | 48 | 9 | 49 | 368 | 184 | 144 | 16 | 20 |
| V. Developmental diseases .. | 372 | — | — | 16 | 25 | 83 | 32 | 77 | 59 | 42 | 38 | 2 | 16 | 198 | 48 | 89 | 12 | 7 |
| VI. Local diseases .. | 2747 | 21 | 46 | 125 | 282 | 346 | 245 | 775 | 495 | 214 | 198 | 39 | 159 | 1236 | 691 | 476 | 74 | 72 |
| VII. Violence .. | 129 | 8 | 6 | 1 | 5 | 7 | 1 | 74 | 9 | 6 | 12 | 6 | 1 | 74 | 25 | 9 | 3 | 11 |
| VIII. Ill-defined and not specified diseases .. | 443 | 1 | 6 | 22 | 40 | 95 | 44 | 93 | 42 | 60 | 40 | 3 | 22 | 218 | 95 | 81 | 17 | 7 |
| I. Specific, febrile, or zymotic : | | | | | | | | | | | | | | | | | | |
| 1. Miasmatic diseases .. | 346 | 4 | 11 | 11 | 33 | 78 | 22 | 84 | 40 | 23 | 40 | 11 | 39 | 179 | 49 | 40 | 9 | 19 |
| 2. Diarrhœal diseases .. | 486 | — | 7 | 26 | 62 | 62 | 36 | 170 | 51 | 37 | 35 | 5 | 17 | 215 | 144 | 82 | 14 | 9 |
| 3. Malarial diseases .. | 56 | — | — | 1 | 1 | 5 | 5 | 17 | 12 | 11 | 4 | 2 | — | 27 | 13 | 4 | 9 | 1 |
| 4. Zoogenous diseases .. | 3 | — | — | — | — | — | — | 3 | — | — | — | — | — | 1 | 1 | — | — | 1 |
| 5. Venereal diseases .. | 17 | — | — | 1 | 2 | 2 | 1 | 8 | 3 | — | — | 1 | 1 | 12 | 1 | 1 | 1 | — |
| 6. Septic diseases .. | 85 | — | 1 | 4 | 12 | 7 | 5 | 35 | 14 | 3 | 4 | — | 7 | 43 | 22 | 12 | — | 1 |
| II. Parasitic diseases .. | 213 | — | — | 6 | 14 | 49 | 15 | 61 | 34 | 13 | 21 | — | 3 | 131 | 47 | 23 | 5 | 4 |
| III. Dietetic diseases .. | 63 | 1 | — | — | — | 28 | — | 11 | 7 | 11 | 5 | — | 2 | 36 | 16 | 6 | 2 | 1 |
| IV. Constitutional diseases .. | 790 | 4 | 17 | 39 | 82 | 108 | 99 | 196 | 145 | 52 | 48 | 9 | 49 | 368 | 184 | 144 | 16 | 20 |
| V. Developmental diseases .. | 372 | — | — | 16 | 25 | 83 | 32 | 77 | 59 | 42 | 38 | 2 | 16 | 198 | 48 | 89 | 12 | 7 |
| VI. Local diseases :— | | | | | | | | | | | | | | | | | | |
| 1. Diseases of nervous system.. .. | 805 | 2 | 8 | 56 | 125 | 123 | 97 | 47 | 185 | 77 | 85 | 3 | 39 | 359 | 176 | 186 | 21 | 21 |
| 2. Diseases of organs of special sense .. | 1 | — | — | — | — | — | — | 1 | — | — | — | 1 | — | — | — | — | — | — |
| 3. Diseases of circulatory system .. | 200 | 3 | 3 | 14 | 10 | 11 | 13 | 74 | 25 | 26 | 21 | 5 | 20 | 100 | 27 | 30 | 10 | 8 |
| 4. Diseases of respiratory system .. | 898 | 5 | 26 | 40 | 109 | 164 | 94 | 182 | 137 | 86 | 55 | 11 | 52 | 375 | 260 | 152 | 26 | 22 |
| 5. Diseases of digestive system .. | 579 | 9 | 7 | 8 | 11 | 24 | 15 | 347 | 117 | 18 | 23 | 14 | 33 | 271 | 174 | 57 | 15 | 15 |
| 6. Diseases of lymphatic system and ductless glands .. | 2 | — | — | — | — | — | — | 1 | 1 | — | — | — | — | 2 | — | — | — | — |
| 7. Diseases of urinary system | 127 | 2 | 1 | 5 | 15 | 10 | 17 | 54 | 15 | 2 | 6 | 3 | 7 | 55 | 31 | 27 | 1 | 3 |
| 8. Diseases of reproductive system— | | | | | | | | | | | | | | | | | | |
| (*a*) Organs of generation | 17 | — | — | — | — | — | — | 13 | 2 | — | 2 | 1 | 1 | 13 | 1 | 1 | — | — |
| (*b*) Parturition .. | 79 | — | — | 1 | 12 | 13 | 8 | 27 | 9 | 4 | 5 | — | 6 | 39 | 13 | 18 | 1 | 2 |
| 9. Diseases of organs of locomotion .. | 2 | — | — | — | — | — | — | 2 | — | — | — | — | — | 1 | 1 | — | — | — |
| 10. Diseases of integumentary system .. | 37 | — | 1 | 1 | — | 1 | 1 | 27 | 4 | 1 | 1 | 1 | 1 | 21 | 8 | 5 | — | 1 |
| VII. Violence :— | | | | | | | | | | | | | | | | | | |
| 1. Accident or negligence.. | 89 | 7 | 3 | 1 | 3 | 6 | 1 | 52 | 6 | 2 | 8 | 3 | 1 | 48 | 18 | 7 | 2 | 10 |
| 2. Homicide .. | 17 | — | 1 | — | 1 | — | — | 14 | — | 1 | — | 1 | — | 12 | 3 | 1 | — | — |
| 3. Suicide .. | 22 | 1 | 2 | — | 1 | 1 | — | 8 | 2 | 3 | 4 | 2 | — | 13 | 4 | 1 | 1 | 1 |
| 4. Execution .. | 1 | — | — | — | — | — | — | — | 1 | — | — | — | — | 1 | — | — | — | — |
| VIII. Ill-defined and not specified causes .. | 443 | 1 | 6 | 22 | 40 | 95 | 44 | 93 | 42 | 60 | 40 | 3 | 22 | 218 | 95 | 81 | 17 | 7 |
| *Miasmatic Diseases.* | | | | | | | | | | | | | | | | | | |
| Smallpox .. .. | 20 | — | 2 | 1 | 1 | 6 | 1 | 3 | 1 | 3 | 2 | — | 1 | 11 | 2 | — | — | 6 |
| Chickenpox .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Measles .. .. | 4 | — | — | — | 1 | 1 | 1 | — | 1 | — | — | — | — | 2 | 1 | — | 1 | — |
| Whooping cough .. | 3 | — | — | — | — | 1 | — | 1 | — | 1 | — | — | 2 | 1 | — | — | — | — |
| Mumps .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Diphtheria .. .. | 4 | — | — | — | — | — | — | 2 | 1 | 1 | — | — | 3 | — | — | 1 | — | — |
| Typhus .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Cerebro-spinal fever .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Simple and ill-defined fever .. | 30 | — | — | — | — | 13 | 1 | 1 | 3 | 4 | 8 | — | 5 | 12 | 6 | 4 | 2 | 11 |
| Enteric fever .. .. | 238 | 2 | 8 | 10 | 31 | 26 | 19 | 75 | 26 | 14 | 27 | 11 | 25 | 118 | 32 | 34 | 6 | 2 |
| Suspected enteric fever .. | 37 | — | — | — | — | 27 | — | — | 7 | — | 3 | — | 2 | 32 | 3 | — | — | — |
| Influenza .. .. | 5 | — | — | — | — | 4 | — | — | 1 | — | — | — | 1 | 3 | 1 | — | — | — |
| Other epidemic diseases .. | 5 | 2 | 1 | — | — | — | — | 2 | — | — | — | — | — | — | 4 | 1 | — | — |
| *Diarrhœal Diseases.* | | | | | | | | | | | | | | | | | | |
| Cholera .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Diarrhœa .. .. | 234 | — | 3 | 12 | 20 | 38 | 12 | 61 | 37 | 28 | 23 | 2 | 13 | 128 | 42 | 38 | 9 | 2 |
| Dysentery .. .. | 252 | — | 4 | 14 | 42 | 24 | 24 | 109 | 14 | 9 | 12 | 3 | 4 | 87 | 102 | 44 | 5 | 7 |
| *Malarial Diseases.* | | | | | | | | | | | | | | | | | | |
| Remittent fever .. .. | 48 | — | — | 1 | 1 | 5 | 5 | 11 | 10 | 11 | 4 | 2 | — | 24 | 10 | 3 | 8 | 1 |
| Ague .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Malarial cachexia .. | 8 | — | — | — | — | — | — | 6 | 2 | — | — | — | — | 3 | 3 | 1 | 1 | — |

Causes of Deaths, &c.—*contd.*

| Causes of Deaths. | Colombo Town. | Ward. | | | | | | | | | | Nationality. | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Fort and Galle Face. | Pettah. | San Sebastian. | St. Paul's. | Kotahena. | New Bazaar. | Maradana Hospitals. | Maradana, exclusive of Hospitals. | Slave Island. | Kollupitiya. | Europeans. | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. |
| *Zoogenous Diseases.* | | | | | | | | | | | | | | | | | | |
| Hydrophobia .. .. | 3 | — | — | — | — | — | — | 3 | — | — | — | — | — | 1 | 1 | — | — | 1 |
| Glanders .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Cowpox and other effects of vaccination .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| *Venereal Diseases.* | | | | | | | | | | | | | | | | | | |
| Syphilis .. .. | 17 | — | — | 1 | 2 | 2 | 1 | 8 | 3 | — | — | 1 | 1 | 12 | 1 | 1 | 1 | — |
| Gonorrhœa, stricture of urethra .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| *Septic Diseases.* | | | | | | | | | | | | | | | | | | |
| Phagedæna .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Erysipelas .. .. | 9 | — | — | 2 | 1 | 1 | — | 3 | 2 | — | — | — | 2 | 6 | 1 | — | — | — |
| Pyæmia, septicæmia .. | 51 | — | 1 | 2 | 4 | 1 | 3 | 31 | 8 | — | 1 | — | 3 | 27 | 13 | 7 | — | 1 |
| Puerperal fever .. .. | 25 | — | — | — | 7 | 5 | 2 | 1 | 4 | 3 | 3 | — | 2 | 10 | 8 | 5 | — | — |
| *Parasitic Diseases.* | | | | | | | | | | | | | | | | | | |
| Thrush .. .. | 3 | — | — | — | 1 | — | — | — | 2 | — | — | — | — | 2 | — | 1 | — | — |
| Worms (animal) .. .. | 153 | — | — | 4 | 13 | 49 | 15 | 10 | 28 | 13 | 21 | — | 3 | 102 | 20 | 19 | 5 | 4 |
| Dochmius duodenalis .. | 57 | — | — | 2 | — | — | — | 51 | 4 | — | — | — | — | 27 | 27 | 3 | — | — |
| *Dietetic Diseases.* | | | | | | | | | | | | | | | | | | |
| Starvation, want of breast milk .. | 59 | 1 | — | — | — | 28 | — | 9 | 6 | 10 | 5 | — | 2 | 35 | 14 | 6 | 1 | 1 |
| Scurvy .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Chronic alcoholism .. | 3 | — | — | — | — | — | — | 1 | 1 | 1 | — | — | — | 1 | 1 | — | 1 | — |
| Delirium tremens .. | 1 | — | — | — | — | — | — | 1 | — | — | — | — | — | — | 1 | — | — | — |
| *Constitutional Diseases.* | | | | | | | | | | | | | | | | | | |
| Rheumatism .. .. | 9 | — | — | — | — | 2 | — | 1 | 4 | 2 | — | — | 1 | 3 | 3 | 2 | — | — |
| Rickets .. .. | 22 | — | — | — | — | 14 | 4 | 3 | 1 | — | — | — | 3 | 15 | 2 | 2 | — | — |
| Cancer .. .. | 21 | — | — | 1 | 1 | 2 | — | 10 | 4 | 1 | 2 | 1 | 2 | 12 | 5 | 1 | — | — |
| Tabes mesenterica .. | 12 | — | — | — | 1 | 2 | 1 | 2 | 3 | 2 | 1 | — | 1 | 6 | 2 | 2 | 1 | — |
| Tubercular meningitis .. | 28 | — | — | 1 | 2 | 1 | 2 | 16 | 5 | 1 | — | 1 | 4 | 13 | 5 | 3 | 1 | 1 |
| Phthisis .. .. | 654 | 3 | 17 | 34 | 76 | 80 | 86 | 155 | 123 | 43 | 37 | 5 | 35 | 303 | 157 | 125 | 12 | 17 |
| Other forms of tuberculosis scrofula | 2 | — | — | — | — | — | 1 | — | — | 1 | — | — | — | 1 | 1 | — | — | — |
| Purpura hæmorrhagic diathesis .. | 2 | — | — | — | — | — | — | — | — | — | 2 | — | — | 1 | — | 1 | — | — |
| Anæmia, chlorosis, leucocy-thæmia | 16 | — | — | 1 | 1 | 5 | 2 | 1 | — | 2 | 4 | 2 | — | 4 | 2 | 4 | 2 | 2 |
| Diabetes mellitus .. | 13 | 1 | — | 2 | 1 | 1 | 2 | — | 5 | 1 | — | — | 3 | 6 | 2 | 2 | — | — |
| Leprosy .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Elephantiasis .. .. | 1 | — | — | — | — | 1 | — | — | — | — | — | — | — | — | — | 1 | — | — |
| Parangi .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Other and undefined constitutional diseases .. .. | 10 | — | — | — | — | — | 1 | 8 | — | 1 | — | — | — | 4 | 5 | 1 | — | — |
| *Developmental Diseases.* | | | | | | | | | | | | | | | | | | |
| Premature birth .. .. | 65 | — | — | — | — | 19 | — | 28 | 9 | 6 | 3 | 1 | 1 | 51 | 5 | 5 | 2 | — |
| Atelectasis .. .. | 6 | — | — | — | — | 3 | — | 1 | 1 | — | 1 | — | — | 1 | 2 | 2 | — | 1 |
| Cyanosis .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Spina bifida .. .. | 2 | — | — | — | — | — | — | 2 | — | — | — | — | — | 2 | — | — | — | — |
| Imperforate anus .. | 2 | — | — | — | — | — | — | 2 | — | — | — | — | — | 2 | — | — | — | — |
| Cleft palate .. .. | 1 | — | — | — | — | — | — | — | 1 | — | — | — | — | 1 | — | — | — | — |
| Other congenital defects .. | 4 | — | — | — | 1 | — | — | 2 | 1 | — | — | — | 1 | 2 | 1 | — | — | — |
| Old age .. .. | 292 | — | — | 16 | 24 | 61 | 32 | 42 | 47 | 36 | 34 | 1 | 14 | 139 | 40 | 82 | 10 | 6 |
| *Diseases of Nervous System.* | | | | | | | | | | | | | | | | | | |
| Inflammation of the brain or its membranes .. .. | 1 | — | — | — | — | — | — | 1 | — | — | — | — | — | — | — | — | — | 1 |
| Softening of brain .. | 11 | — | — | — | — | — | — | 1 | — | — | 10 | — | — | 8 | 3 | — | — | — |
| Apoplexy .. .. | 20 | 2 | — | 2 | 6 | 3 | 2 | 1 | — | 2 | 2 | — | 2 | 6 | 9 | 3 | — | — |
| Paralysis .. .. | 53 | — | — | 3 | 4 | 9 | 6 | 9 | 12 | 3 | 7 | — | 3 | 26 | 6 | 14 | — | 4 |
| Epilepsy .. .. | 14 | — | 1 | 1 | — | — | — | 6 | — | — | 6 | — | — | 6 | 6 | 2 | — | — |
| Convulsions .. .. | 38 | — | 1 | 4 | 3 | 7 | 2 | — | 7 | 4 | 10 | — | — | 22 | 9 | 5 | 1 | 1 |
| Infantile convulsions .. | 430 | — | 3 | 29 | 64 | 48 | 46 | 3 | 147 | 52 | 38 | 3 | 21 | 198 | 87 | 97 | 16 | 8 |
| Laryngismus stridulus .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Collapse .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Tetanus .. .. | 191 | — | 2 | 16 | 43 | 50 | 37 | 16 | 4 | 16 | 7 | — | 6 | 76 | 48 | 54 | 4 | 3 |
| Mania .. .. | 2 | — | — | — | — | 1 | 1 | — | — | — | — | — | 1 | — | — | — | — | 1 |
| Paraplegia, diseases of the spinal cord .. .. | 6 | — | — | — | — | 1 | 1 | 1 | 3 | — | — | — | 1 | 3 | — | 1 | — | 1 |
| Other undefined diseases of brain.. | 38 | — | — | 1 | 5 | 4 | 2 | 9 | 12 | — | 5 | — | 5 | 13 | 8 | 10 | — | 2 |
| Other undefined diseases of nervous system .. .. | 1 | — | 1 | — | — | — | — | — | — | — | — | — | — | 1 | — | — | — | — |
| *Organs of Special Sense.* | | | | | | | | | | | | | | | | | | |
| Conjunctivitis and other diseases of the eye .. .. | 1 | — | — | — | — | — | — | — | 1 | — | — | — | — | — | — | — | — | — |
| Otitis and other diseases of ear .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Epistaxis and other diseases of nose | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

Causes of Deaths, &c.—*contd.*

| Causes of Deaths. | Colombo Town. | Ward. | | | | | | | | | | Nationality. | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Fort and Galle Face. | Pettah. | San Sebastian. | St. Paul's. | Kotahena. | New Bazaar. | Maradana Hospitals. | Maradana, exclusive of Hospitals. | Slave Island. | Kollupitiya. | Europeans. | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. |
| *Circulatory System.* | | | | | | | | | | | | | | | | | | |
| Pericarditis .. .. | 8 | — | — | 1 | — | — | 1 | 6 | — | — | — | — | — | 3 | 2 | 3 | — | — |
| Morbus cordis (disease of heart) .. | 67 | 2 | 2 | 6 | 1 | 4 | 5 | 21 | 12 | 5 | 9 | 2 | 5 | 37 | 9 | 7 | 6 | 1 |
| Valve disease of heart .. | 9 | 1 | — | 1 | — | 1 | 1 | 2 | — | 2 | 1 | 1 | 2 | 1 | — | 3 | — | 2 |
| Hypertrophy of heart .. | 11 | — | — | — | — | 2 | 1 | 4 | 1 | — | 3 | — | 2 | 5 | 4 | — | — | — |
| Angina pectoris syncope .. | 3 | — | — | — | 1 | 1 | — | — | — | — | 1 | — | 1 | 2 | — | — | — | — |
| Aneurism .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Embolism thrombosis .. | 9 | — | — | — | — | 1 | 1 | 7 | — | — | — | 1 | 2 | 3 | 2 | 1 | — | — |
| Phlebitis .. .. | 1 | — | — | — | — | — | — | 1 | — | — | — | — | — | 1 | — | — | — | — |
| Varicose veins .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Other and undefined diseases of heart or circulatory system .. | 92 | — | 1 | 6 | 8 | 2 | 4 | 33 | 12 | 19 | 7 | 1 | 8 | 48 | 10 | 16 | 4 | 5 |
| *Respiratory System.* | | | | | | | | | | | | | | | | | | |
| Laryngitis .. .. | 3 | — | — | — | — | — | — | — | 1 | 1 | 1 | — | — | 2 | 1 | — | — | — |
| Croup .. .. | 2 | — | — | 1 | — | — | — | 1 | — | — | — | — | — | 2 | — | — | — | — |
| Bronchitis .. .. | 211 | — | 3 | 12 | 37 | 43 | 35 | 8 | 32 | 28 | 13 | 3 | 13 | 88 | 50 | 45 | 10 | 2 |
| Asthma .. .. | 20 | — | — | — | — | 5 | 1 | 4 | 2 | 4 | 4 | — | — | 10 | 5 | 3 | 1 | 1 |
| Pneumonia .. .. | 637 | 5 | 22 | 27 | 72 | 115 | 55 | 157 | 98 | 53 | 33 | 7 | 36 | 258 | 199 | 103 | 15 | 19 |
| Pleurisy .. .. | 11 | — | 1 | — | — | — | 2 | 6 | — | — | 2 | — | — | 8 | 2 | 1 | — | — |
| Other and undefined diseases of respiratory system .. | 14 | — | — | — | — | 1 | 1 | 6 | 4 | — | 2 | 1 | 3 | 7 | 3 | — | — | — |
| *Digestive System.* | | | | | | | | | | | | | | | | | | |
| Stomatitis .. .. | 13 | — | — | 1 | — | 1 | 1 | 1 | 8 | — | 1 | — | 1 | 8 | 1 | 2 | 1 | — |
| Dentition .. .. | 1 | 1 | — | — | — | — | — | — | — | — | — | 1 | — | — | — | — | — | — |
| Quinsy .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sore throat .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Dyspepsia .. .. | 3 | — | — | — | — | — | — | — | 3 | — | — | — | — | 1 | 1 | 1 | — | — |
| Hæmatemesis .. .. | 2 | — | — | — | — | — | — | — | 1 | 1 | — | — | — | 1 | 1 | — | — | — |
| Malæma .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Diseases of stomach .. | 3 | — | — | — | — | — | — | — | 1 | — | 2 | 1 | — | 1 | — | 1 | — | — |
| Enteritis .. .. | 389 | 4 | 1 | 1 | 2 | 12 | 4 | 256 | 88 | 8 | 13 | 6 | 25 | 164 | 148 | 35 | 4 | 7 |
| Ulceration of intestines .. | 5 | 1 | — | — | — | — | — | 1 | 1 | — | 2 | 1 | — | 3 | 1 | — | — | — |
| Ileus obstruction of intestines .. | 21 | — | 1 | 3 | 1 | — | 2 | 10 | 2 | 1 | 1 | — | — | 11 | 4 | 3 | 1 | 2 |
| Stricture or strangulation of intestines .. .. | 1 | — | — | — | — | — | — | — | — | — | 1 | — | — | 1 | — | — | — | — |
| Intussusception of intestine .. | 2 | — | — | — | 1 | — | — | 1 | — | — | — | — | 1 | 1 | — | — | — | — |
| Hernia .. .. | 12 | — | — | — | — | — | 2 | 9 | — | — | 1 | — | 1 | 4 | 1 | 2 | 4 | — |
| Fistula .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Peritonitis .. .. | 37 | 2 | 3 | — | 2 | 4 | 2 | 18 | 3 | 3 | — | 1 | 2 | 20 | 8 | 4 | 2 | — |
| Ascites .. .. | 1 | — | — | — | — | — | — | — | — | 1 | — | — | — | 1 | — | — | — | — |
| Gallstones .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Cirrhosis of liver .. .. | 41 | 1 | — | 2 | 2 | 2 | — | 27 | 5 | 2 | — | 2 | 1 | 30 | 3 | 3 | 1 | 1 |
| Other diseases of liver .. | 19 | — | 2 | 1 | 1 | — | 1 | 13 | 1 | — | — | 2 | — | 11 | 2 | 2 | — | 2 |
| Other and undefined diseases of digestive system .. | 29 | — | — | — | 2 | 5 | 3 | 11 | 4 | 2 | 2 | — | 2 | 14 | 4 | 4 | 3 | 3 |
| *Diseases of Lymphatic System and Ductless Glands.* | | | | | | | | | | | | | | | | | | |
| Diseases of lymphatic system .. | 2 | — | — | — | — | — | — | 1 | 1 | — | — | — | — | 2 | — | — | — | — |
| Diseases of spleen .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| *Diseases of Urinary System.* | | | | | | | | | | | | | | | | | | |
| Nephritis .. .. | 50 | — | — | 2 | 7 | 4 | 7 | 18 | 9 | — | 3 | 1 | 3 | 15 | 13 | 15 | 1 | 2 |
| Bright's disease .. .. | 60 | 2 | 1 | 2 | 6 | 4 | 10 | 26 | 4 | 2 | 3 | 2 | 2 | 30 | 16 | 9 | — | 1 |
| Uræmia .. .. | 2 | — | — | — | — | — | — | 2 | — | — | — | — | — | 1 | — | 1 | — | — |
| Suppression of urine .. | 1 | — | — | — | — | — | — | 1 | — | — | — | — | — | 1 | — | — | — | — |
| Calculus (stone) .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hæmaturia .. .. | 1 | — | — | 1 | — | — | — | — | — | — | — | — | — | — | — | 1 | — | — |
| Diseases of bladder .. | 3 | — | — | — | 1 | 1 | — | 1 | — | — | — | — | — | 2 | — | 1 | — | — |
| Other and undefined diseases of urinary system .. | 10 | — | — | — | 1 | 1 | — | 6 | 2 | — | — | — | 2 | 6 | 2 | — | — | — |
| *Diseases of Organs of Generation.* | | | | | | | | | | | | | | | | | | |
| Ovarian diseases .. .. | 4 | — | — | — | — | — | — | 3 | — | — | 1 | — | 1 | 3 | — | — | — | — |
| Diseases of uterus and vagina .. | 5 | — | — | — | — | — | — | 4 | 1 | — | — | — | — | 4 | 1 | — | — | — |
| Disorders of menstruation .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Perineal abscess .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Pelvic abscess .. .. | 1 | — | — | — | — | — | — | — | 1 | — | — | 1 | — | — | — | — | — | — |
| Diseases of testes, penis, scrotum, &c. | 7 | — | — | — | — | — | — | 6 | — | — | 1 | — | — | 6 | 1 | — | — | — |
| *Diseases of Parturition.* | | | | | | | | | | | | | | | | | | |
| Abortion or miscarriage .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Puerperal mania .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Puerperal convulsions .. | 4 | — | — | — | — | — | 1 | — | 2 | 1 | — | — | 1 | 2 | — | 1 | — | — |
| Placenta prævia, flooding .. | 8 | — | — | 1 | — | 1 | 1 | 3 | — | — | 2 | — | — | 7 | 1 | — | — | — |
| Phlegmasia dolens .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Other and undefined accidents of childbirth .. .. | 67 | — | — | — | 12 | 12 | 6 | 24 | 7 | 3 | 3 | — | 5 | 30 | 13 | 16 | 1 | 2 |

Causes of Deaths, &c.—*contd.*

| Causes of Deaths. | Colombo Town. | Ward. | | | | | | | | | | Nationality. | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Fort and Galle Face. | Pettah. | San Sebastian. | St. Paul's. | Kotahena. | New Bazaar. | Maradana Hospitals. | Maradana, exclusive of Hospitals. | Slave Island. | Kollupitiya. | Europeans. | Burghers. | Sinhalese. | Tamils. | Moors. | Malays. | Others. |
| *Diseases of Organs of Locomotion.* | | | | | | | | | | | | | | | | | | |
| Cies, necrosis .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Arthritis, ostitis, and periostitis .. | 2 | — | — | — | — | — | — | 2 | — | — | — | — | — | 1 | 1 | — | — | — |
| Other and undefined diseases of organs of locomotion .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| *Diseases of Integumentary System.* | | | | | | | | | | | | | | | | | | |
| Carbuncle .. .. | 3 | — | — | — | — | — | 1 | 2 | — | — | — | — | — | 2 | — | 1 | — | — |
| Phlegmon, cellulitis .. | 16 | — | 1 | 1 | — | — | — | 12 | — | 1 | 1 | — | — | 10 | 2 | 4 | — | — |
| Lupus .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Ulcer, bed sore .. .. | 7 | — | — | — | — | — | — | 7 | — | — | — | — | — | 4 | 3 | — | — | — |
| Eczema .. .. | 1 | — | — | — | — | — | — | 1 | — | — | — | — | — | — | 1 | — | — | — |
| Pemphigus .. .. | 1 | — | — | — | — | — | — | 1 | — | — | — | — | — | — | 1 | — | — | — |
| Other and undefined diseases of integumentary system .. | 9 | — | — | — | — | 1 | — | 4 | 3 | — | 1 | 1 | 1 | 5 | 1 | — | — | 1 |
| *Accident or Negligence.* | | | | | | | | | | | | | | | | | | |
| Fractures, contusions .. | 13 | — | — | — | — | 1 | — | 9 | — | — | 3 | 1 | — | 11 | — | — | — | 1 |
| Gunshot wounds .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Cut, stab .. .. | 1 | — | — | — | — | — | — | — | 1 | — | — | — | — | 1 | — | — | — | — |
| Burn, scald .. .. | 21 | — | — | — | 1 | — | — | 19 | 1 | — | — | 1 | — | 11 | 2 | 4 | 2 | 1 |
| Poison .. .. | 5 | — | — | — | 1 | — | — | 2 | — | 1 | 1 | 1 | 1 | 1 | — | — | — | 2 |
| Drowning .. .. | 16 | 7 | 2 | — | — | 1 | — | — | 2 | 1 | 3 | — | — | 6 | 8 | 1 | — | 1 |
| Snake-bite .. .. | 1 | — | — | — | — | 1 | — | — | — | — | — | — | — | 1 | — | — | — | — |
| Otherwise .. .. | 32 | — | 1 | 1 | 1 | 3 | 1 | 22 | 2 | — | 1 | — | — | 17 | 8 | 2 | — | 5 |
| *Homicids.* | | | | | | | | | | | | | | | | | | |
| Murder, manslaughter .. | 17 | — | 1 | — | 1 | — | — | 14 | — | 1 | — | 1 | — | 12 | 3 | 1 | — | — |
| *Suicide.* | | | | | | | | | | | | | | | | | | |
| Gunshot wounds .. .. | 1 | — | — | — | — | — | — | — | — | 1 | — | — | — | 1 | — | — | — | — |
| Cut, stab .. .. | 3 | — | — | — | — | — | — | 1 | 1 | — | 1 | — | — | 3 | — | — | — | — |
| Poison .. .. | 7 | — | — | — | — | — | — | 7 | — | — | — | 1 | — | 4 | — | — | 1 | 1 |
| Drowning .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hanging .. .. | 9 | 1 | 2 | — | 1 | 1 | — | — | 1 | 2 | 1 | 1 | — | 3 | 4 | 1 | — | — |
| Otherwise .. .. | 2 | — | — | — | — | — | — | — | — | — | 2 | — | — | 2 | — | — | — | — |
| *Execution.* | | | | | | | | | | | | | | | | | | |
| Hanging .. .. | 1 | — | — | — | — | — | — | — | 1 | — | — | — | — | 1 | — | — | — | — |
| *Ill-defined and not Specified Causes.* | | | | | | | | | | | | | | | | | | |
| General dropsy .. .. | 38 | — | 1 | 2 | 5 | 6 | 2 | — | 13 | 9 | — | — | 1 | 17 | 8 | 12 | — | — |
| Debility .. .. | 372 | — | 5 | 17 | 35 | 86 | 42 | 79 | 24 | 48 | 36 | 2 | 19 | 181 | 82 | 65 | 17 | 6 |
| Sudden deaths (causes unascertained) .. .. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Abscess .. .. | 16 | — | — | 2 | — | 1 | — | 8 | 2 | 2 | 1 | — | — | 13 | 1 | 2 | — | — |
| Tumour .. .. | 5 | — | — | — | — | 2 | — | 3 | — | — | — | — | — | 3 | 2 | — | — | — |
| Hæmorrhage .. .. | 6 | — | — | 1 | — | — | — | 1 | 2 | 1 | 1 | — | — | 4 | — | 2 | — | — |
| Other ill-defined and not specified causes .. .. | 6 | 1 | — | — | — | — | — | 2 | 1 | — | 2 | 1 | 2 | — | 2 | — | — | 1 |

TABLE LXV.—Cases conducted by Municipal Midwives.—Births and Infant Deaths.—Still-births and Deaths within Four Days.

| Race. | Births. | | | Deaths. | | | Mortality. | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Persons. | Males. | Females. | Persons. | Males. | Females. | Death-rate per Cent. | Still-births. | Deaths (exclusive of Still-births. | Death-rate (exclusive of Still-births). |
| All Races .. | 646 | 313 | 333 | 62 | 29 | 33 | 9·60 | 41 | 21 | 3·25 |
| Burghers .. .. | 59 | 33 | 26 | 3 | 1 | 2 | 5·08 | 2 | 1 | 1·60 |
| Sinhalese .. .. | 269 | 136 | 133 | 23 | 12 | 11 | 8·55 | 16 | 7 | 2·60 |
| Tamils .. .. | 192 | 82 | 110 | 25 | 12 | 13 | 13·02 | 14 | 11 | 5·52 |
| Moors .. .. | 90 | 41 | 49 | 9 | 2 | 7 | 10·00 | 7 | 2 | 2 22 |
| Malays .. .. | 25 | 14 | 11 | — | — | — | — | — | — | — |
| Others .. .. | 11 | 7 | 4 | 2 | 2 | — | 18·18 | 2 | — | — |

TABLE LXVI.—Statistics of Cases conducted by Municipal Midwives during the Year 1910.

| Ward and Name of Midwife. | Burghers. | | Sinhalese. | | Tamils. | | Moors. | | Malays. | | Others. | | All Races. | | | Mortality. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | Persons. | Males. | Females. | Deaths. | Death-rate per Cent. | Still-births. | Deaths (exclusive of Still-births). | Death-rate (exclusive of Still-births). |
| | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | | | | | | | | |
| St. Paul's, A. Wickremasinha .. | 6 | — | 15 | 22 | 16 | 29 | 8 | 4 | 2 | — | — | — | 102 | 47 | 55 | 12 | 11·75 | 8 | 4 | 3·92 |
| Kotahena, Agida Perera | 11 | 9 | 58 | 40 | 10 | 7 | 2 | 1 | — | — | — | — | 138 | 81 | 57 | 10 | 7·25 | 6 | 4 | 2·90 |
| San Sebastian, Nonno Hamy .. | — | 3 | 19 | 26 | 2 | 2 | 12 | 18 | 3 | 3 | 5 | 4 | 97 | 41 | 56 | 10 | 10·31 | 9 | 1 | 1· 3 |
| St. Paul's, M. P. Muruger | — | — | 4 | 4 | 32 | 49 | 7 | 9 | 1 | — | — | — | 106 | 44 | 62 | 16 | 15·10 | 10 | 6 | 5·65 |
| Slave Island, A. M. Wickramaratna .. | 8 | 6 | 20 | 24 | 14 | 17 | — | — | 5 | 7 | 2 | — | 103 | 49 | 54 | 8 | 7·77 | 7 | 1 | 0·9 |
| New Bazaar, Sarah Dias | 8 | 8 | 20 | 17 | 8 | 6 | 12 | 17 | 3 | 1 | — | — | 100 | 51 | 49 | 6 | 6· 0 | 1 | 5 | 5·07 |
| Total of each Sex .. | 33 | 26 | 136 | 133 | 82 | 110 | 41 | 49 | 14 | 11 | 7 | 4 | | | | | | | | |
| Grand Total .. | 59 | | 269 | | 192 | | 90 | | 25 | | 11 | | 646* | 313 | 333 | 62 | 9·60 | 41 | 21 | 3·35 |

* Including 15 multiple births.

TABLE LXVII.—Number of Cases conducted by Municipal Midwives during the Year 1910.

| Name of Midwife. | Ward. | First Quarter. | Second Quarter. | Third Quarter. | Fourth Quarter. | Total. |
|---|---|---|---|---|---|---|
| A. Wickremasinha .. | St. Paul's .. | 18 .. | 19 .. | 25 .. | 38 .. | 100 |
| M. P. Muruger .. | do. .. | 26 .. | 19 .. | 27 .. | 31 .. | 103 |
| Sarah Dias .. | New Bazaar .. | 22 .. | 25 .. | 19 .. | 33 .. | 99 |
| Agida Perera .. | Kotahena .. | 39 .. | 33 .. | 31 .. | 34 .. | 137 |
| Nonno Hamy .. | San Sebastian .. | 24 .. | 22 .. | 24 .. | 22 .. | 92 |
| A. M. Wickramaratna .. | Slave Island .. | 30 .. | 24 .. | 18 .. | 28 .. | 100 |
| | Total .. | 159 .. | 142 .. | 144 .. | 186 .. | 631 |

TABLE LXVIII.—Work done by Ward Inspectors during 1910.

| | Fort. | Pettah. | San Sebastian. | St. Paul's. | Kotahena North. | Kotahena South. | New Bazaar. | Maradana North. | Maradana South. | Slave Island. | Kollupitiya North. | Kollupitiya South. | Eastward Extension. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number of inspections .. | 3,879 | 3,976 | 2,405 | 4,863 | 5,396 | 5,288 | 4,060 | 3,170 | 2,965 | 4,124 | 3,858 | 3,071 | 3,431 | 50,486 |
| Number in which sanitary defects were found .. | 459 | 697 | 388 | 698 | 507 | 509 | 543 | 795 | 579 | 606 | 755 | 420 | 1,345 | 8,301 |
| Number of notices served.. | 224 | 91 | 186 | 213 | 138 | 232 | 217 | 166 | 83 | 230 | 306 | 254 | 244 | 2,584 |
| Number of notices voluntarily complied with .. | 91 | 66 | 154 | 113 | 99 | 156 | 89 | 90 | 61 | 151 | 186 | 143 | 98 | 1,497 |
| Number of premises where defects were rectified after warning .. | 202 | 428 | 121 | 290 | 140 | 180 | 200 | 464 | 378 | 305 | 438 | 195 | 1,167 | 4,508 |
| Number of wells closed .. | — | 1 | 6 | 3 | 1 | 3 | 3 | 13 | — | — | 3 | 2 | — | 35 |
| Number of cesspits closed | 2 | — | 6 | 13 | 2 | 7 | 16 | 12 | 1 | — | 2 | — | 29 | 90 |
| Number of houses disinfected .. | 11 | 14 | 26 | 37 | 19 | 74 | 73 | 81 | 25 | 78 | 43 | 21 | 30 | 532 |
| Number of prosecutions .. | 369 | 240 | 337 | 389 | 163 | 369 | 464 | 233 | 192 | 301 | 317 | 315 | 178 | 3,867 |
| Number of convictions .. | 317 | 214 | 244 | 344 | 144 | 322 | 373 | 200 | 163 | 263 | 251 | 269 | 126 | 3,230 |
| Number discharged or otherwise dealt with .. | 13 | 14 | 34 | 9 | 13 | 19 | 15 | 17 | 9 | 14 | 13 | 10 | 22 | 202 |
| Number pending at end of Year .. | 39 | 12 | 59 | 46 | 6 | 28 | 73 | 16 | 20 | 24 | 53 | 39 | 30 | 445 |
| Number of premises limewashed by the Municipal cleansing gang .. | 23 | 2 | — | 2 | 2 | 11 | 13 | 1 | 4 | 3 | — | 8 | — | 59 |
| Number of type plan latrines erected .. | — | — | — | 11 | 22 | — | 21 | 43 | 15 | 11 | 26 | 11 | 47 | 207 |
| | Rs. c. | Rs. c. | Rs. c. | Rs. c. | Rs. c. | Rs. c. | Rs. c. | Rs. c. | Rs. c. | Rs. c. | Rs. c. | Rs. c. | Rs. c. | Rs. c. |
| Amount of fines .. | 2,373 0 | 906 50 | 1,583 50 | 1,457 80 | 625 0 | 1,596 50 | 2,881 0 | 1,310 0 | 1,224 0 | 2,251 0 | 1,543 75 | 1,546 50 | 618 50 | 19917 5 |

TABLE LXIX.—Prosecutions by Ward Inspectors during 1910.

| Nature of Offence. | Fort. | Pettah. | San Sebastian. | St. Paul's. | Kotahena North. | Kotahena South. | New Bazaar. | Maradana North. | Maradana South. | Slave Island. | Kollupitiya North. | Kollupitiya South. | Eastward Extension. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Filthy premises .. .. | 120 | 110 | 39 | 275 | 90 | 202 | 282 | 124 | 75 | 132 | 185 | 209 | 106 | 1,949 |
| Filthy roadside and drain .. .. | 11 | 7 | — | 17 | 2 | 28 | — | — | — | 1 | — | — | — | 66 |
| Food exposed to dust and flies .. | 71 | 25 | 18 | 29 | 14 | 16 | 16 | 39 | 16 | 68 | 40 | 43 | 10 | 405 |
| Sale of adulterated milk .. .. | 36 | 10 | 24 | 8 | 5 | 15 | 24 | 19 | 10 | 21 | 23 | 6 | 9 | 210 |
| Sale of milk, the cream of which had been extracted .. .. | 2 | 2 | — | — | 1 | — | — | 3 | — | — | 5 | — | 1 | 14 |
| Milk vendor without a card .. .. | 7 | — | 10 | 1 | 2 | 4 | 15 | 15 | 6 | 2 | 12 | 6 | 15 | 95 |
| Nuisance by rearing of cattle, &c. .. | 6 | 2 | 8 | 10 | 15 | 31 | 25 | 8 | — | 9 | 28 | 12 | 13 | 167 |
| Obstruction of passages in public market .. | 2 | 25 | 57 | — | 2 | — | — | — | 23 | — | — | — | — | 109 |
| Unlicensed cotton depôt .. .. | — | 1 | — | — | — | — | — | — | — | — | — | — | — | 1 |
| Uncemented floor of eating-house .. | 1 | 1 | — | 2 | — | — | — | — | 1 | — | — | — | 1 | 6 |
| Unregistered eating-house .. .. | 1 | 6 | 2 | 4 | — | — | — | — | — | 1 | 1 | 2 | 1 | 18 |
| Foul privy .. .. .. | 1 | — | 13 | 17 | — | 15 | 5 | — | 1 | — | — | 2 | 6 | 60 |
| Throwing rubbish without receptacles .. | — | 6 | 1 | — | — | — | — | — | — | — | — | — | — | 7 |
| Sale of unwholesome food .. .. | 2 | 1 | 10 | 1 | 1 | — | 5 | — | 1 | — | — | — | 2 | 23 |
| Filthy public bathing tubs .. .. | — | — | 2 | — | 2 | 5 | — | 3 | 4 | 2 | 6 | 11 | — | 35 |
| Neglect to pay limewashing bills .. | 3 | — | 1 | 1 | — | 2 | 6 | 2 | 1 | 1 | — | 2 | — | 19 |
| Filthy stalls .. .. .. | 33 | — | 74 | 1 | 8 | 13 | 15 | 1 | 29 | 38 | 2 | 5 | — | 219 |
| Placing rubbish in passages of public markets | — | — | 5 | — | 1 | — | — | — | 10 | — | — | — | — | 16 |
| Unlicensed cattle shed .. .. | — | — | 1 | — | — | — | 5 | — | — | — | — | — | — | 6 |
| Abuse of roadside by children .. | — | — | 5 | 5 | 1 | — | — | 2 | — | — | — | — | — | 13 |
| Overcrowding .. .. | — | — | 3 | — | — | — | 7 | — | — | — | — | — | — | 10 |
| Keeping excess of meat in stall .. | — | — | 1 | — | — | — | — | — | — | — | — | — | — | 1 |
| Unregistered laundry .. .. | — | 2 | 1 | — | 5 | 10 | 30 | 5 | 1 | 5 | 3 | 12 | — | 74 |
| Occupation of stalls without tickets .. | — | 14 | 45 | — | — | — | — | — | — | — | — | — | — | 59 |
| Neglect to fill up well after notice .. | — | — | 1 | — | 1 | — | 2 | 1 | — | — | 2 | — | — | 7 |
| Unregistered dairy .. .. | 1 | — | — | 6 | — | 3 | 8 | 1 | — | — | — | — | — | 19 |
| Unregistered aerated water manufactory .. | — | — | — | — | 1 | — | — | — | — | — | — | — | — | 1 |
| Hawking for sale of fish .. .. | — | — | — | — | 2 | — | — | — | — | — | 1 | — | — | 3 |
| Insanitary laundry .. .. | — | — | — | — | — | 12 | 1 | — | — | — | — | 1 | — | 14 |
| Unlicensed stall .. .. | — | 1 | — | — | 1 | 2 | — | — | — | — | — | — | — | 4 |
| Unregistered soap manufactory .. | — | — | — | — | — | — | 5 | — | — | — | — | — | — | 5 |
| Filthy bakery .. .. | 3 | — | — | — | — | 3 | 3 | 1 | 2 | — | — | — | — | 12 |
| Boiling offal without permission .. | — | — | — | — | — | — | — | — | 2 | — | — | — | — | 2 |
| Closure of stall without permission .. | — | — | — | — | — | — | — | — | 3 | — | — | — | — | 3 |
| Washing clothes in prohibited places .. | — | — | — | — | — | — | — | — | — | 2 | — | — | — | 2 |
| Unclean workmen in bakery .. .. | 1 | — | — | 4 | — | 4 | 3 | 2 | 2 | 7 | 3 | 1 | — | 27 |
| Non-reporting of infectious diseases .. | — | — | 4 | 1 | 2 | 2 | 3 | — | — | 10 | — | — | 2 | 24 |
| Neglect to provide privy accommodation .. | — | — | — | 1 | — | — | — | 1 | 2 | — | 1 | — | 7 | 12 |
| Unlicensed firewood depôt .. .. | — | — | — | 1 | — | — | — | — | 1 | — | 1 | 1 | — | 4 |
| Removal of infectious diseased patient without authority .. .. .. | 1 | — | — | — | — | — | — | — | — | 1 | 1 | — | — | 3 |
| Filthy eating house .. .. | 61 | — | — | — | 4 | — | 1 | 2 | — | — | 1 | — | — | 69 |
| Filthy cattle shed .. .. | 1 | — | — | — | 2 | — | — | — | — | — | — | — | — | 3 |
| Default of payment of stall rent .. | — | 13 | 10 | — | — | — | — | — | 2 | — | — | — | — | 25 |
| Unlicensed poultry mart .. .. | — | 2 | — | — | — | — | — | — | — | — | — | — | — | 2 |
| Filthy dairy .. .. .. | — | — | — | — | — | — | 1 | 1 | — | — | — | — | — | 2 |
| Storing milk in unsuitable places .. | — | — | — | 2 | — | — | — | — | — | — | — | 1 | — | 3 |
| Digging pits without permission .. | — | — | — | 1 | — | — | — | — | — | — | 2 | — | — | 3 |
| Unlicensed bakery .. .. | — | — | 1 | — | — | 2 | — | 1 | — | — | — | — | 4 | 8 |
| Unregistered milk vendor .. .. | 4 | — | — | — | — | — | 1 | 1 | — | 1 | — | — | — | 7 |
| Keeping goods outside line of stall in public market .. .. .. | — | 1 | — | — | — | — | — | — | — | — | — | — | — | 1 |
| Discontinuation of dairy without notice .. | — | — | — | 2 | — | — | — | — | — | — | — | — | — | 2 |
| Unregistered dairyman .. .. | — | — | — | — | 1 | — | — | — | — | — | — | — | — | 1 |
| Neglect to limewash after notice .. | — | — | — | — | — | — | — | 1 | — | — | — | — | — | 1 |
| Neglect to remove stagnant water .. | — | — | — | — | — | — | — | — | — | — | — | 1 | — | 1 |
| Wilful negligence to give address of smallpox patient .. .. .. | 1 | — | — | — | — | — | — | — | — | — | — | — | — | 1 |
| Keeping unauthorized articles in markets .. | — | 11 | — | — | — | — | — | — | — | — | — | — | — | 11 |
| Resistance to a public officer .. | — | — | 1 | — | — | — | 1 | — | — | — | — | — | — | 2 |
| Damage to a marble monument at the Liveramentu cemetery .. .. | — | — | — | — | — | — | — | — | — | — | — | — | 1 | 1 |
| Total .. | 369 | 240 | 337 | 389 | 163 | 369 | 464 | 233 | 192 | 301 | 317 | 315 | 178 | 3,876 |

TABLE LXX.—Structural Improvements by Ward Inspectors during 1910.

| Nature of Improvement. | Fort. | Pettah. | San Sebastian. | St. Paul's. | Kotahena North. | Kotahena South. | New Bazaar. | Maradana North. | Maradana South. | Slave Island. | Kollupitiya North. | Kollupitiya South. | Eastward Extension. | Colombo Town. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Windows and skylights .. .. | 38 | 31 | 113 | 404 | 11 | 171 | 374 | 74 | 13 | 129 | 126 | 52 | — | 1,536 |
| 2. Ventilators .. .. | 48 | 21 | 20 | 410 | 14 | 104 | 160 | 25 | 12 | 22 | 267 | 36 | — | 1,139 |
| 3. Latrines .. .. | — | 1 | 2 | 5 | 6 | — | 41 | 22 | — | 13 | 34 | 26 | 42 | 192 |
| 4. Children's latrines .. .. | — | — | 2 | 1 | — | 27 | 30 | 4 | — | — | — | — | — | 64 |
| 5. Drains .. .. | — | — | 3 | 6 | — | 3 | 2 | — | — | — | 5 | — | — | 19 |
| 6. Improvement to drains .. | — | — | 3 | 24 | — | 2 | 15 | 10 | 4 | 9 | 4 | 1 | — | 72 |
| 7. Paving of passages and compounds .. | 2 | 8 | 8 | 10 | — | 2 | 79 | 2 | 3 | 48 | — | 1 | — | 163 |
| 8. Obstructive eaves cut back .. | — | 1 | — | 2 | — | — | 1 | — | — | — | — | — | — | 4 |
| 9. Number of rooms cemented.. .. | 20 | 4 | — | — | — | — | 32 | — | — | — | — | — | — | 56 |
| 10. Insanitary tenements demolished .. | — | — | 13 | — | — | — | — | — | — | 43 | 3 | 6 | — | 65 |
| 11. Insanitary huts demolished .. | 13 | — | — | — | — | — | — | — | — | — | — | 10 | — | 23 |
| 12. Obstructive verandahs demolished .. | — | — | 2 | 11 | — | — | — | — | — | — | — | — | — | 13 |
| 13. Cementing floor of laundries .. | — | 8 | — | — | 1 | — | 15 | — | — | — | — | — | — | 24 |
| 14. Cementing floor of cattle sheds .. | — | — | — | — | — | — | 2 | — | — | — | 4 | — | — | 6 |
| 15. Cementing floor of eating-houses .. | — | 7 | 2 | 1 | 1 | — | 3 | — | — | — | — | — | — | 14 |
| 16. Cementing floor of barber shop .. | — | — | — | — | 1 | — | — | — | — | — | — | 1 | — | 2 |
| 17. Cementing floor of closets .. | — | — | 13 | — | — | — | — | — | — | — | 1 | — | — | 14 |
| 18. Cementing floor of tenements .. | — | — | — | — | — | — | 8 | — | — | — | — | — | — | 8 |
| 19. Removal of permanent ceilings .. | — | — | 5 | — | — | — | — | — | — | — | — | — | — | 5 |
| 20. Construction of manure receptacles .. | — | — | — | — | — | — | 3 | — | — | — | 1 | — | — | 4 |
| 21. Roof provided with gutters .. | — | — | — | 2 | — | — | — | — | — | — | — | — | — | 2 |
| 22. Insanitary cattle sheds demolished .. | — | — | — | — | — | — | 6 | — | — | — | — | — | — | 6 |
| 23. Improvement to dairy by providing milk store .. .. | — | — | — | — | — | — | 1 | — | — | — | — | — | — | 1 |
| 24. Providing new ceiling to bakery .. | — | — | 1 | — | — | — | — | — | — | — | — | — | — | 1 |
| 25. Improvement to fish stalls .. | — | — | — | — | — | — | 1 | — | — | — | — | — | — | 1 |
| 26. Chimneys constructed .. .. | 3 | — | — | — | — | — | — | — | — | — | — | — | — | 3 |

TABLE LXXI.—Return of Samples taken for Analysis during the Year 1910.

| Nature of Sample. | Inspector Carnie. | Inspector Serasinha. | Inspector Blacker. | Inspector Samahin. | Inspector de Silva. | Inspector Karunatilleke. | Inspector Stouter. | Inspector Horan. | Inspector Ambrose. | Inspector Dabera. | Inspector Davidson. | Inspector Abayasekara. | Inspector LaBrooy. | Inspector Akbar. | All Inspectors. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | 6 |
| Town water .. | 3 | 13 | 11 | 14 | 12 | 12 | 14 | 14 | 12 | 14 | 14 | 12 | 6 | 8 | 129 |
| Well water .. | 2 | 3 | 31 | 17 | 7 | 14 | 2 | 24 | 5 | 11 | 7 | 22 | 13 | 7 | 135 |
| Milk .. .. | 5 | 104 | 59 | 82 | 129 | 125 | 74 | 85 | 82 | 83 | 47 | 69 | 47 | 35 | 1,036 |
| Bread .. .. | — | 1 | — | 1 | 2 | 3 | 9 | — | 4 | 2 | 1 | 10 | — | 2 | 45 |
| Sugar .. .. | — | 1 | — | — | 2 | 3 | 13 | — | 3 | 3 | 2 | 4 | — | — | 1 |
| Flour .. .. | — | 1 | — | 1 | 2 | 3 | 13 | — | 5 | 3 | 2 | 10 | — | 2 | 2 |
| Butter .. .. | — | — | — | — | — | — | — | — | 1 | — | — | — | 1 | — | 2 |
| Opium .. .. | — | — | — | — | — | — | — | — | 1 | — | — | — | — | — | 1 |
| Tinned milk .. | — | — | — | — | 1 | — | — | — | 1 | — | — | — | — | — | 2 |
| Sweets .. .. | — | — | — | — | — | — | 1 | — | — | — | 2 | 3 | — | — | 6 |
| Beer .. .. | — | — | — | — | — | — | — | 1 | — | — | — | — | — | — | 1 |
| Sherbet .. .. | — | — | — | — | 1 | — | — | — | — | — | — | — | — | — | 21 |
| Soda water .. | — | — | — | 3 | — | — | 2 | 1 | 10 | 3 | 2 | — | 3 | — | 4 |
| Tonic .. .. | — | — | — | — | — | — | — | — | — | 1 | — | — | — | — | 1 |
| Sterilized milk .. | — | — | — | — | 1 | — | — | — | — | — | — | — | — | — | 21 |
| Lake water .. | — | — | — | 28 | — | — | — | — | — | — | — | — | — | — | 28 |
| Kelani river water .. | — | — | — | 21 | — | — | — | — | — | — | — | — | — | — | 21 |
| Total .. | 10 | 123 | 101 | 167 | 157 | 160 | 128 | 125 | 124 | 120 | 77 | 130 | 70 | 54 | 1,546 |

TABLE LXXII.—Work done by Sub-Inspectors during 1910.

| Ward. | Houses disinfected in connection with Fevers. | Phthisis. |
|---|---|---|
| Fort | 3 | — |
| Pettah | 13 | 1 |
| St. Sebastian | 35 | 8 |
| St. Paul's | 77 | 23 |
| Kotahena North | 49 | 22 |
| Kotahena South | 80 | 48 |
| New Bazaar | 49 | 19 |
| Maradana North | 120 | 69 |
| Maradana South | 64 | 25 |
| Slave Island | 120 | 26 |
| Kollupitiya North | 60 | 6 |
| Kollupitiya South | 88 | 10 |
| Total | 758 | 257 |

TABLE LXXIII.—Enteric Cleansing Gang, Work done during 1910.

| | Number of Premises cleared where there were Cases of Enteric. | Number of Filthy Premises cleared. | Total. |
|---|---|---|---|
| January | 19 | 31 | 50 |
| February | 14 | 39 | 53 |
| March | 2 | 49 | 51 |
| April | 6 | 48 | 54 |
| May | 21 | 28 | 49 |
| June | 31 | 27 | 58 |
| July | 50 | 9 | 59 |
| August | 49 | 23 | 72 |
| September | 51 | 13 | 64 |
| October | 43 | 10 | 53 |
| November | 44 | 17 | 61 |
| December | 71 | 3 | 74 |
| Total | 401 | 297 | 698 |

TABLE LXXIV.—Insect Pest Prevention, Work done by the Overseer during 1910.

| Ward. | Number of Notices served. | Number of Prosecutions. |
|---|---|---|
| Fort | — | — |
| Pettah | — | — |
| San Sebastian | — | — |
| St. Paul's | 13 | — |
| Kotahena North | — | — |
| Kotahena South | 1 | — |
| New Bazaar | 12 | — |
| Maradana North | 130 | 19 |
| Maradana South | 60 | 7 |
| Slave Island | 21 | — |
| Kollupitiya North | 55 | 2 |
| Kollupitiya South | 54 | 3 |
| Eastward Extension | 21 | 3 |
| Total | 367 | 34 |

TABLE LXXV.—Total Number of Pieces and Loads Disinfected at the Steam Disinfector during 1910.

| Month. | Number of Loads. |
|---|---|
| January | 15 |
| February | 10 |
| March | 13 |
| April | 8 |
| May | 10 |
| June | 17 |
| July | 23 |
| August | 27 |
| September | 25 |
| October | 24 |
| November | 32 |
| December | 15 |
| Total | 219 |

Articles disinfected at the steam disinfector from January 1, 1910, up to December 31, 1910, amount to 14,723 pieces.

TABLE LXXVI. (*a*).—Return of the Conservancy Branch for the Year 1910.

| Division. | Total Amount collected as shown by the Public Health Department Ledgers.* | Total Amount due.† | Buckets Daily conserved in Private Premises. | Buckets Daily conserved in Public Latrines. | Cesspits cleared. | |
|---|---|---|---|---|---|---|
| | | | | | By Conservancy Contractor. | By Private Contractors. |
| | Rs. c. | Rs. c. | | | | |
| I. .. | 9,954 80 | 5,787 30 | 1,736 | 3 | 6 | 12 |
| II. .. | 26,755 12 | 17,673 12 | 2,842 | 144‡ | 32 | 4 |
| III. .. | 16,768 24 | 9,172 62 | 3,012 | 25§ | 32 | 41 |
| IV. .. | 11,567 0 | 4,922 0 | 2,546 | 128‖ | 30 | 29 |
| Total .. | 65,045 16 | 37,555 04 | 10,136 | 300 | 100 | 86 |

* Includes arrears of previous years.
† Represents amount due for the year under reference.
‡ Thirteen standard buckets.
§ Five standard buckets.
‖ Eight standard buckets.

Cost recovered on account of arrears, Rs. 1,316·60.

| *Amount paid to Contractor.* | Rs. c. |
|---|---|
| (*a*) Bulls and conservancy of dry-earth closets .. .. | 111,570 49 |
| (*b*) On account of clearing cesspits .. .. | 2,677 64 |
| Total .. | 114,248 13 |

Fines imposed by Chairman on Contractor, Rs. 1,943·50.

---

TABLE LXXVI. (*b*).—Conservancy Branch. Statement of Complaints and Fines during 1910.

| Month. | Nature of Offence. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Depôt. | Miscellaneous. | Lids or Parts of Carts left open whilst at Work. | Public Latrines. | Non-reporting of Vacations. | Coolies without Badges. | Neglect to conserve. | Neglect to clean Buckets. | Neglect to supply Coir Dust. | Neglect of Day Cooly. | Neglect of Special Cooly. | Neglect to return Cart Chits. | Late Arrival of Carts at Depôt. | Amount. |
| | | | | | | | | | | | | | | Rs. c. |
| January .. | 2 | 4 | — | 35 | 1 | — | 64 | 82 | 87 | 15 | — | 12 | 1 | 100 75 |
| February .. | 3 | 10 | 3 | 28 | 1 | — | 102 | 123 | 147 | 10 | 1 | — | 4 | 113 0 |
| March .. | 1 | 4 | — | 22 | 6 | — | 78 | 90 | 76 | 17 | 2 | — | — | 86 0 |
| April .. | 4 | 3 | — | 17 | 9 | — | 118 | 75 | 73 | 11 | 2 | — | — | 90 50 |
| May .. | 1 | 1 | 4 | 32 | 3 | — | 269 | 99 | 93 | 5 | — | — | — | 149 25 |
| June .. | 1 | 14 | 2 | 57 | 5 | — | 300 | 158 | 139 | 22 | — | — | — | 197 0 |
| July .. | — | 52 | 4 | 46 | 5 | 1 | 351 | 163 | 225 | 16 | 1 | — | 22 | 291 50 |
| August .. | 25 | 18 | 4 | 27 | 16 | — | 180 | 147 | 146 | 14 | — | — | 5 | 223 0 |
| September .. | — | 15 | 6 | 27 | 6 | 15 | 65 | 109 | 96 | 14 | — | — | — | 195 75 |
| October .. | 4 | 15 | 3 | 36 | 9 | 1 | 124 | 147 | 135 | 20 | 1 | 15 | 4 | 206 0 |
| November .. | 5 | 8 | 9 | 15 | 2 | — | 175 | 82 | 21 | 21 | 1 | 7 | 4 | 190 75 |
| December .. | 5 | 5 | 1 | 24 | — | — | 106 | 35 | 16 | 16 | — | 16 | 4 | 100 0 |
| Total .. | 51 | 149 | 36 | 366 | 63 | 17 | 1,932 | 1,310 | 1,254 | 181 | 8 | 50 | 44 | 1,943 50 |

---

TABLE LXXVI. (*c*).—Conservancy Branch.

REVENUE.

| Estimate No. | | Estimate for 1910. Rs c. | Recovered. Rs. c. |
|---|---|---|---|
| 49 | Conserving private latrines .. .. | 50,000 0 | 65,165 86 |
| 50 | Buckets sold .. .. .. | 200 0 | 71 73 |
| 51 | Disinfectants, &c., sold .. .. | 1,000 0 | 1,413 87 |
| 52 | Clearing cesspit privies .. .. | 750 0 | 458 75 |
| 53 | Lease of grass lands at depôt .. .. | 5,520 0 | 4,467 50 |
| 54 | Costs on arrears of conservancy .. | 1,000 0 | 1,285 10 |
| | Total .. | 58,470 0 | 72,862 81 |

Excess recovered Rs. 14,392·81.

EXPENDITURE 1910.

Votes controlled by the Public Health Department.

| Estimate No. | Heading. | Estimate for 1910. Rs. | c. | Expenditure in 1910. Rs. | c. |
|---|---|---|---|---|---|
| 115 | Salaries and wages .. .. | 17,286 | 0 | 16,647 | 58 |
| 116 | House allowance .. .. | 480 | 0 | 475 | 0 |
| 117 | Conservancy .. .. .. | 65,000 | 0 | 69,720 | 84 |
| 118 | Coir dust .. .. .. | 12,000 | 0 | 12,741 | 69 |
| 119 | Stationery .. .. .. | 600 | 0 | 578 | 69 |
| 120 | Refunds .. .. .. | 300 | 0 | 292 | 80 |
| 121 | Hire of bulls .. .. .. | 39,500 | 0 | 41,962 | 40 |
| 122 | Postage .. .. .. | 300 | 0 | 143 | 62 |
| 123 | Uniform .. .. .. | 500 | 0 | 613 | 84 |
| 124 | Rent of depôt .. .. .. | 1,638 | 0 | — | |
| 125 | Miscellaneous .. .. .. | 1,500 | 0 | 1,121 | 52 |
| 126 | Transport allowances .. .. | 1,200 | 0 | 1,160 | 0 |
| 127 | Oil allowances .. .. .. | 48 | 0 | 43 | 0 |
| 93 | Cost of disinfectants .. .. | 2,600 | 0 | 3,569 | 40 |
| | Total .. | 142,952 | 0 | 149,070 | 38 |
| | Excess Expenditure .. | Rs. 6,118·38 | | | |

Votes controlled by the Municipal Engineer.

| | | | | | |
|---|---|---|---|---|---|
| 128 | Supply of latrine buckets .. .. | 600 | 0 | 443 | 26 |
| 129 | Supply of storage buckets .. .. | 300 | 0 | 100 | 0 |
| 192 | Conservancy buildings maintenance .. | 2,000 | 0 | 2,579 | 23 |
| 202 | Depôt roads maintenance .. .. | 3,900 | 0 | 3,802 | 76 |
| 203 | Narahenpitiya road maintenance .. | 2,800 | 0 | 1,114 | 28 |
| 239 | Night soil carts, construction and repairs .. | 12,000 | 0 | 10,119 | 90 |
| 240 | Septic tanks .. .. .. | 250 | 0 | 206 | 78 |
| 247 | Buckets construction .. .. | 1,050 | 0 | — | |
| | Total .. | 22,900 | 0 | 18,366 | 21 |
| | Saving .. | Rs. 4,533·79. | | | |

SUMMARY.

(*a*) EXPENDITURE.

| | Amount. Rs. | c. |
|---|---|---|
| Total Votes .. .. .. .. | 165,852 | 0 |
| Total Expenditure .. .. .. | 167,436 | 59 |
| Total Excess Expenditure .. | 1,584 | 59 |

(*b*) REVENUE.

| | | |
|---|---|---|
| Total Estimates .. .. .. .. | 58,470 | 0 |
| Total Recovered .. .. .. .. | 72,862 | 81 |
| Total Excess recovered .. | 14,392 | 81 |
| Balance Excess Revenue .. | Rs. 12,808·22 | |

TABLE LXXVII.—Enteric Hospital Returns.

| | 1909 (*a*). Admissions. | Deaths. | Percentage of Deaths. | 1910 (*b*). Admissions. | Deaths. | Percentage of Deaths. |
|---|---|---|---|---|---|---|
| Municipal inspectors .. | 82 | 15 | 18·29 | 85 | 7 | 8·23 |
| General Hospital .. | 27 | 4 | 14·81 | 185 | 26 | 14·25 |
| Lady Havelock hospital and Lady Ridgeway hospital .. | 11 | 3 | 27·27 | 36 | 10 | 27·77 |
| Voluntary admissions | 26 | 4 | 15·38 | 45 | 9 | 20·00 |
| Total .. | 146 | 26 | 17·80 | 351 | 52 | 14·81 |

(*c*) *and* (*d*).—Age on Admission and at Death, 1909.

| | Under One Year. | | Between 2 and 10. | | Between 11 and 20. | | Between 21 and 39. | | 40 Years and over. | | Total. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Admissions. | Deaths. | Admissions. | Deaths. | Admissions. | Deaths. | Admissions. | Deaths. | Admissions. | Deaths. | Admissions. | Deaths. |
| 1909 .. .. | — | — | 27 | 3 | 50 | 10 | 48 | 11 | 10 | 2 | 135 | 26 |
| Percentage of Deaths | — | | 11·11 | | 20·00 | | 22·91 | | 20·00 | | 19·25 | |
| 1910 .. | 1 | — | 56 | 7 | 130 | 16 | 124 | 25 | 25 | 4 | 336 | 52 |
| Percentage of Deaths | — | | 12·50 | | 12·30 | | 20·16 | | 16·00 | | 15·47 | |

(*e*) *Nationality.*

| | 1909. | | | 1910. | | |
|---|---|---|---|---|---|---|
| | Admissions. | Deaths. | Percentage. | Admissions. | Deaths. | Percentage. |
| Burghers | 10 | 2 | 20·00 | 30 | 7 | 23·33 |
| Sinhalese | 104 | 20 | 19·23 | 228 | 31 | 13·59 |
| Moors | 9 | 2 | 22·22 | 22 | 4 | 18·18 |
| Malays | — | — | — | 4 | 2 | 50·00 |
| Tamils | 8 | — | — | 34 | 1 | 2·94 |
| Malabars | 15 | 2 | 13·33 | 33 | 7 | 21·21 |
| All Races | 146 | 26 | 17·80 | 351 | 52 | 14·77 |

TABLE LXXVIII.—Slave Island Dispensary Returns. (*a*) Patients treated during 1910.

| | Number of Patients treated during each Month. | First Visits. | Subsequent Visits. | Number of Phthisis Patients. |
|---|---|---|---|---|
| February | 1,178 | 624 | 554 | 11 |
| March | 1,423 | 712 | 711 | 10 |
| April | 1,054 | 534 | 520 | 9 |
| May | 1,209 | 582 | 627 | 8 |
| June | 1,158 | 582 | 576 | 7 |
| July | 988 | 509 | 479 | — |
| August | 1,262 | 620 | 642 | 3 |
| September | 1,151 | 535 | 616 | 4 |
| October | 974 | 484 | 490 | 4 |
| November | 1,081 | 520 | 561 | 4 |
| December | 984 | 477 | 507 | 3 |
| Total | 12,462 | 6,179 | 6,283 | 63 |

(*b*) *Annual Return of Sick treated at the Municipal Free Dispensary, Slave Island, from February 1 to December 31, 1910.*

| | Number. |
|---|---|
| **A.** | |
| General Diseases :— | |
| (1) Meningitis | 1 |
| (2) Enteric | 54 |
| (3) Influenza | 556 |
| (4) Measles | 3 |
| (5) Chickenpox | 3 |
| (6) Dysentery | 147 |
| (7) Chronic dysentery | 13 |
| (8) Whooping cough | 11 |
| (9) Erysipelas | 4 |
| (10) Mumps | 4 |
| (11) Tetanus | 2 |
| Malarial Diseases :— | |
| (*a*) Intermittent fever | 145 |
| (*b*) Malarial cachexia | 40 |
| Puerperal Septicæmia | 11 |
| Syphilis :— | |
| (*a*) Primary | 2 |
| (*b*) Secondary | 2 |
| (*c*) Tertiary | 2 |
| (*d*) Congenital | 3 |
| Anæmia :— | |
| (Cause unknown) | 1 |
| **B.** | |
| Parasitic Diseases :— | |
| (1) Ascaris lumbricoides | 764 |
| (2) Anchilostomia duodenale | 36 |
| (3) Tænia shlium | 1 |
| (4) Oidium albicans | 9 |
| (5) Acarus scabiei | 201 |
| **C.** | |
| Constitutional Diseases :— | |
| (1) Debility | 72 |
| (2) Rheumatism | 335 |
| (3) Rheumatic affections | 289 |
| (4) Post dysenteric arthritis | 1 |
| (5) Obesity | 6 |
| (6) Goitre | 4 |
| (7) Diabetes mellitus | 9 |
| (8) Diabetes insipidus | 1 |
| **D.** | |
| Diseases of the Nervous System :— | |
| (1) Neurasthenia | 7 |
| (2) Convulsions | 1 |
| (3) Epilepsy | 7 |
| (4) Hysteria | 14 |
| (5) Migraine | 7 |
| (6) Facial neuralgia | 25 |
| (7) Hemiphlegia | 3 |
| (8) Spastic paraplegia | 4 |
| (9) Facial paralysis | 1 |
| (10) Pseudo-hypertrophic muscular paralysis | 1 |
| (11) Tabes dorsalis | 2 |
| (12) Syringomyelia | 3 |
| (13) Pott's disease | 1 |
| (14) Peripheral neuritis | 10 |
| **E.** | |
| Organs of Special Sense :— | |
| (*a*) Eye : | |
| (1) Ophthalmia neonatorum | 2 |
| (2) Conjunctivitis simple | 25 |
| (3) Blepharitis | 4 |
| (4) Keratitis | 1 |
| (5) Cataract | 2 |
| (*b*) Ear : | |
| (1) Foreign body | 3 |
| (2) Earache | 10 |
| (3) Acute catarrh | 8 |
| (4) Otitis Media | 24 |
| (*c*) Nose : | |
| (1) Foreign body | 2 |
| (2) Epistaxis | 7 |
| (3) Polypus | 2 |
| (4) Ozoena | 12 |
| (5) Emphyema of frontal sinus | 1 |
| **F.** | |
| Circulatory System :— | |
| (1) Aortic stenosis | 4 |
| (2) Aortic regurgitation | 1 |
| (3) Mitral stenosis | 10 |
| (4) Mitral regurgitation | 9 |
| (5) Hæmorrhoids | 15 |
| (6) Varicose veins | 3 |
| (7) Angina pectoris | 2 |
| **G.** | |
| Respiratory System :— | |
| (1) Laryngitis | 4 |
| (2) Bronchitis— | |
| (*a*) Acute | 437 |
| (*b*) Chronic | 163 |
| (3) Asthma | 170 |
| (4) Lobular pneumonia | 48 |
| (5) Lobar pneumonia | 26 |
| (6) Pleurisy | 5 |
| (7) Phthisis | 63 |

| | Number. |
|---|---|
| **H.** | |
| Digestive System :— | |
| (1) Stomatitis | 17 |
| (2) Toothache | 82 |
| (3) Gum boil | 14 |
| (4) Pyorrhœa alveolaris | 11 |
| (5) Acute pharyngitis | 11 |
| (6) Chronic pharyngitis | 15 |
| (7) Tonsilitis | 13 |
| (8) Gastritis | 152 |
| (9) Dyspepsia | 94 |
| (10) Chronic enteritis | 290 |
| (11) Constipation | 210 |
| (12) Colic | 52 |
| (13) Hepatitis | 5 |
| (14) Jaundice | 2 |
| (15) Colocystitis | 1 |
| (16) Cirrhosis of liver | 3 |
| (17) Tabes mesenterica | 9 |
| (18) Psilosis | 7 |
| (19) Prolapse of rectum | 3 |
| **I.** | |
| Lymphatic System :— | |
| (1) Lymphangitis | 20 |
| (2) Adenitis | 49 |
| (3) Phlegmasia alba dolens | 1 |
| (4) Elephantiasis of penis | 1 |
| (5) Elephantiasis of scrotum | 1 |
| (6) Elephantiasis of leg | 4 |
| **J.** | |
| Urinary System :— | |
| (1) Albuminuria | 5 |
| (2) Acute Bright's disease | 10 |
| (3) Chronic Bright's disease | 13 |
| (4) Cystitis | 7 |
| (5) Incontinence of urine | 4 |
| **K.** | |
| Generative System :— | |
| (1) Prostatitis | 5 |
| (2) Balanatis | 1 |
| (3) Phimosis | 1 |
| (4) Paraphimosis | 1 |
| (5) Stricture at the meatus | 2 |
| (6) Retention of urine | 3 |
| (7) Urethritis | 2 |
| (8) Epididymitis | 1 |
| (9) Orchitis | 9 |
| (10) Hydrocele | 2 |
| (11) Phlebitis of right spermatic cord | 2 |
| (12) Vaginitis | 3 |
| (13) Leucorrhœa | 18 |
| (14) Amenorrhœa | 6 |
| (15) Dysmenorhœa | 62 |
| (16) Menorrhagia | 15 |
| (17) Meteorrhagia | 11 |
| (18) Threatened abortion | 11 |
| (19) Abortion | 3 |
| (20) Vasico vaginal fistula | 1 |
| (21) Prolapse of uterus | 2 |
| (22) Ovaritis | 1 |
| **L.** | |
| Integumentary System :— | |
| (1) Acne vulgaris | 1 |
| (2) Acne rosacea | 2 |
| (3) Lichen tropicus | 17 |
| (4) Urticaria | 2 |
| (5) Dermatitis herpetiformis | 2 |
| (6) Tænia versicolor | 2 |
| (7) Erythema bullosa | 3 |
| (8) Pruritus | 54 |
| (9) Eczema | 142 |
| (10) Ringworm | 50 |
| (11) Impetigo contagiosa | 5 |
| (12) Herpes zoster | 7 |
| (13) Abrasions | 13 |
| (14) Contusions | 92 |
| (15) Incised wounds | 22 |
| (16) Contused wounds | 30 |
| (17) Punctured wounds | 1 |
| (18) Anal fissure | 1 |
| (19) Sinus | 3 |
| (20) Cellulitis | 3 |
| (21) Corn | 2 |
| (22) Onychia | 34 |
| (23) Furuncles | 68 |
| (24) Leucoderma | 4 |
| (25) Carbuncle | 2 |
| (26) Burn | 14 |
| (27) Tenosynovitis | 1 |
| (28) Sycosis barbæ | 1 |
| (29) Ulcer | 335 |
| (30) Abscess | 69 |
| **M.** | |
| Organs of Locomotion :— | |
| (1) Periostitis | 10 |
| (2) Fractures | 2 |
| (3) Dislocations | 5 |
| **N.** | |
| Tumours :— | |
| (1) Lipoma | 1 |
| (2) Endothelioma | 1 |
| (3) Palatal cysts | 2 |
| (4) Ovarian cyst | 3 |
| (5) Uterine fibroid | 1 |
| (6) Sarcoma | 1 |
| (7) Cancer | 3 |
| **O.** | |
| Abdominal Diseases :— | |
| (1) Intestinal obstruction | 1 |
| (2) Pelvic cellulitis | 2 |
| (3) Inguinal hernia | 3 |
| (4) Appendicitis | 1 |

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*(c) Visits by the Medical Officer.*

| | Number. |
|---|---|
| Visits paid by the Medical Officer to those unable to attend at the Dispensary | 81 |
| Visits paid to those reported by the Health Visitor as unable to attend | 25 |
| Labour cases in which medical or surgical aid rendered | 3 |
| Visits paid to cases attended to by the Municipal midwife | 64 |
| Cases sent in by Health Visitor by ticket | 506 |

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*(d) Work done by the Health Visitor.*

Statement showing details of work done (A) by Miss de Haan from February 1 to June 30, 1910, and (B) by Miss de Neys from July 1 to December 31, 1910.

| | (A) | (B) | Total. |
|---|---|---|---|
| Number of visits paid to houses | 11,714 | 11,468 | 23,182 |
| Number of dispensary tickets issued | 352 | 152 | 504 |
| Number of cases in which Medical Officer was requested to visit | 9 | 15 | 24 |
| Number of houses where instructions *re* infant feeding were given | 122 | 468 | 590 |